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TECHNICAL REPORT 116

CHIEF OF
NAVAL AIR TRAINING
RESOURCE PLANNING SYSTEM
(RPS)

MARCH 1982

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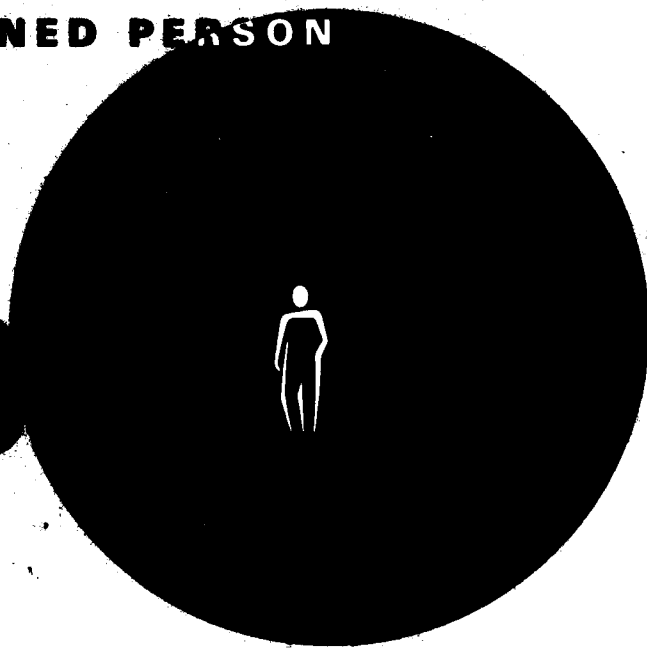
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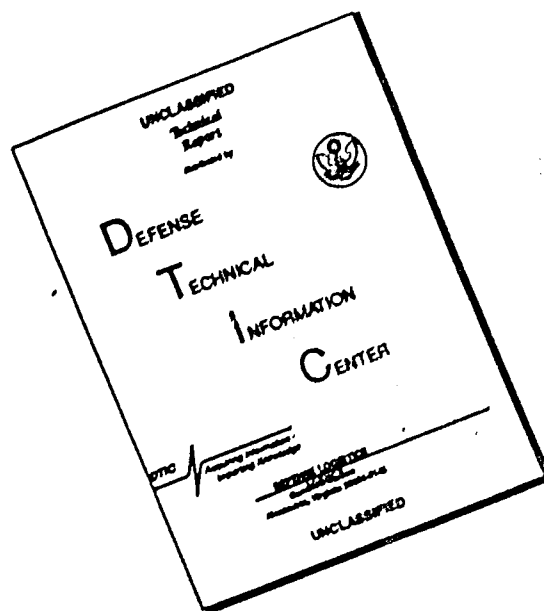


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CHIEF OF NAVAL AIR TRAINING
RESOURCE PLANNING SYSTEM (RPS)

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March 1982

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rate, the system determines the number of students that must enter the pipeline and the number of support personnel, instructors, and aircraft required to meet the training objectives.

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SECTION I

INTRODUCTION

The Chief of Naval Air Training (CNATRA), an activity under the command of the Chief of Naval Education and Training (CNET), provides undergraduate pilot and naval flight officer (NFO) training for Navy, Marine Corps, and Coast Guard personnel and selected foreign nationals. In accomplishing this training, CNATRA supervises and coordinates the functioning of all Naval aviation activities in the Naval Education and Training Command (NAVEDTRACOM) that are not specifically assigned to other Functional Commanders. The CNATRA is responsible for overall management functions including preparing budget estimates for resources to ensure that adequate funds are allocated in the Five Year Defense Plan (FYDP) to conduct all required operations and training.

Shifts in policy established by higher authority keep the Naval Air Training Command (NATRACOM) in a state of flux concerning the number of personnel that must be trained. Nevertheless, "the system" must adjust to these policy shifts if operational commitments are to be met.

Typically, overall planning in the Navy is responsive to fiscal guidance levied by Congress and interpretation of that guidance as it filters through the chain of command. Congress annually imposes a variety of fiscal constraints in terms of amount and type of resources allocated. The Chief of Naval Operations (CNO) evaluates these constraints and subsequently provides fiscal guidance to the various operating commands as well as establishing their operational commitments and requirements.

The primary training planning requirement provided to CNATRA by CNO is the number of naval aviators (NAs) and NFOs that must be trained to meet operational readiness criteria. This is commonly referred to as the Pilot Training Rate (PTR). A variety of other factors (i.e., available training aircraft, squadron manning levels, student naval aviator accessions, NA/NFO continuation rates) greatly impact CNATRA's planning and management functions and resource requirements.

In addition to the annual budget preparation, CNATRA is continually confronted with "what if" questions from higher authority concerning output capabilities, resource requirements, and cost savings given a particular set of conditions. Currently, preparing responses to these questions is done manually and is a labor intensive and time consuming process. In an attempt to facilitate the planning process and to provide faster and more accurate responses to the "what if" questions, CNET tasked¹ the Training Analysis and Evaluation Group (TAEG) to design a resource requirements projection model for CNATRA. As part of this tasking, TAEG was requested to provide CNATRA with necessary needs assessments to identify additional training management systems requirements within the NATRACOM.

¹CNET ltr Code 022 of 23 Dec 1980

BACKGROUND

The training of NAs and NFOs is extremely time consuming and complex. It requires extensive planning and constant monitoring to ensure efficient and effective utilization of the available resources. Figure 1 outlines the basic process used to determine training rates for NAs and NFOs. The planning process starts with annual guidance provided by CNO as to the number of pilots and NFOs the Navy requires for a given fiscal year. CNATRA translates these numbers into required inputs and outputs to the various phases of training. In order to understand the nature and complexity of the training process in the NATRACOM it is necessary to have an appreciation for the magnitude of the task. Figures 2 and 3 present the training pipelines for naval aviators and NFOs respectively. These pipelines are composed of six training wings and 20 training squadrons. Figure 4 provides a macro view of the Strike pipeline. It is evident from figure 4 that in order to determine the required input to meet the PTR (required output) specified by CNO, the effects of training time and attrition rates for each training phase must be considered.

PURPOSE OF THIS REPORT

The purpose of this report is to present the Resource Planning System (RPS) and to provide a guide to the operation of the system for CNATRA personnel.

OVERVIEW OF THE RESOURCE PLANNING SYSTEM

The purpose of the RPS is to provide an easy and efficient means to determine the resources required to produce a specified number of NAs and NFOs. The model is based on a roll back technique in which the desired output of NAs/NFOs is given as the independent variable. Then utilizing a specified predetermined training time and attrition rate, the model determines the number of students that must enter the pipeline and the number of support personnel, instructors, and aircraft required for each training wing (TRAWING) to meet the training objective. The overall resource requirements for each TRAWING are derived utilizing the equations shown in table 1.

Figure 5 presents the options that comprise the RPS. Five primary options may be selected by the user via the MASTER RPS MENU. When the user selects an option, the subsystem appears on the display as a list (menu) of additional options which allows the user to insert, delete, update, print, or analyze various data elements.

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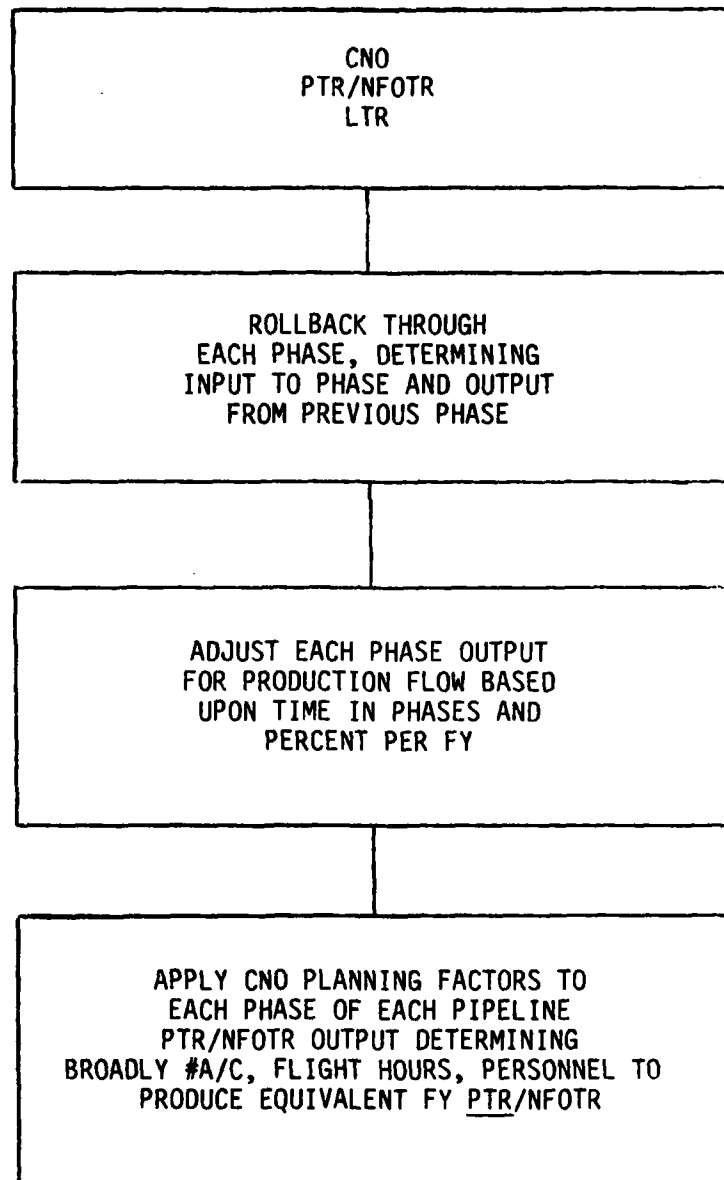


Figure 1. Macro View of Naval Aviator/Naval Flight Officer Equivalent PTR/NFOTR Determination Process

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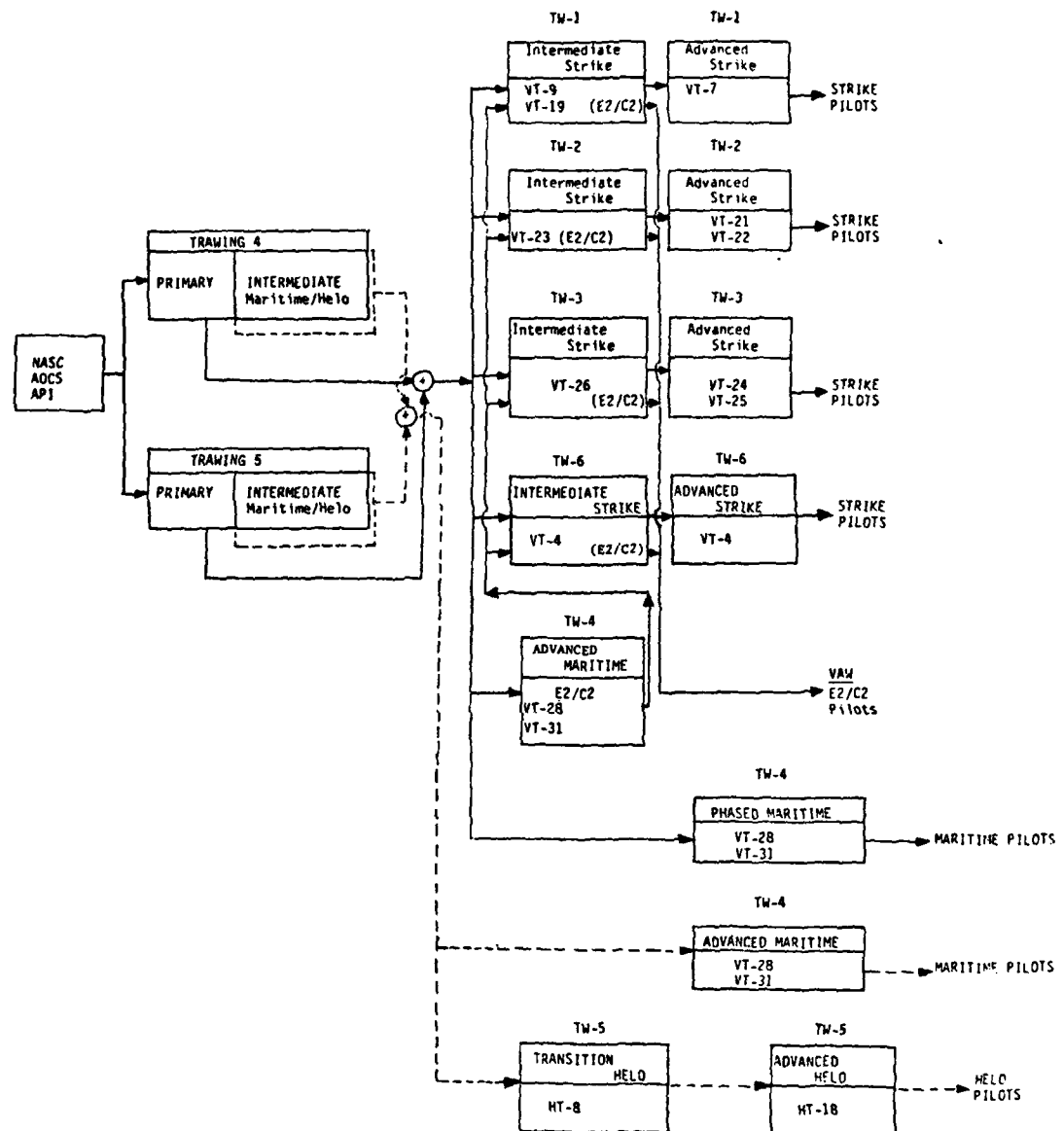


Figure 2. Naval Aviator Training Pipelines

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NAVAL AVIATION SCHOOLS COMMAND

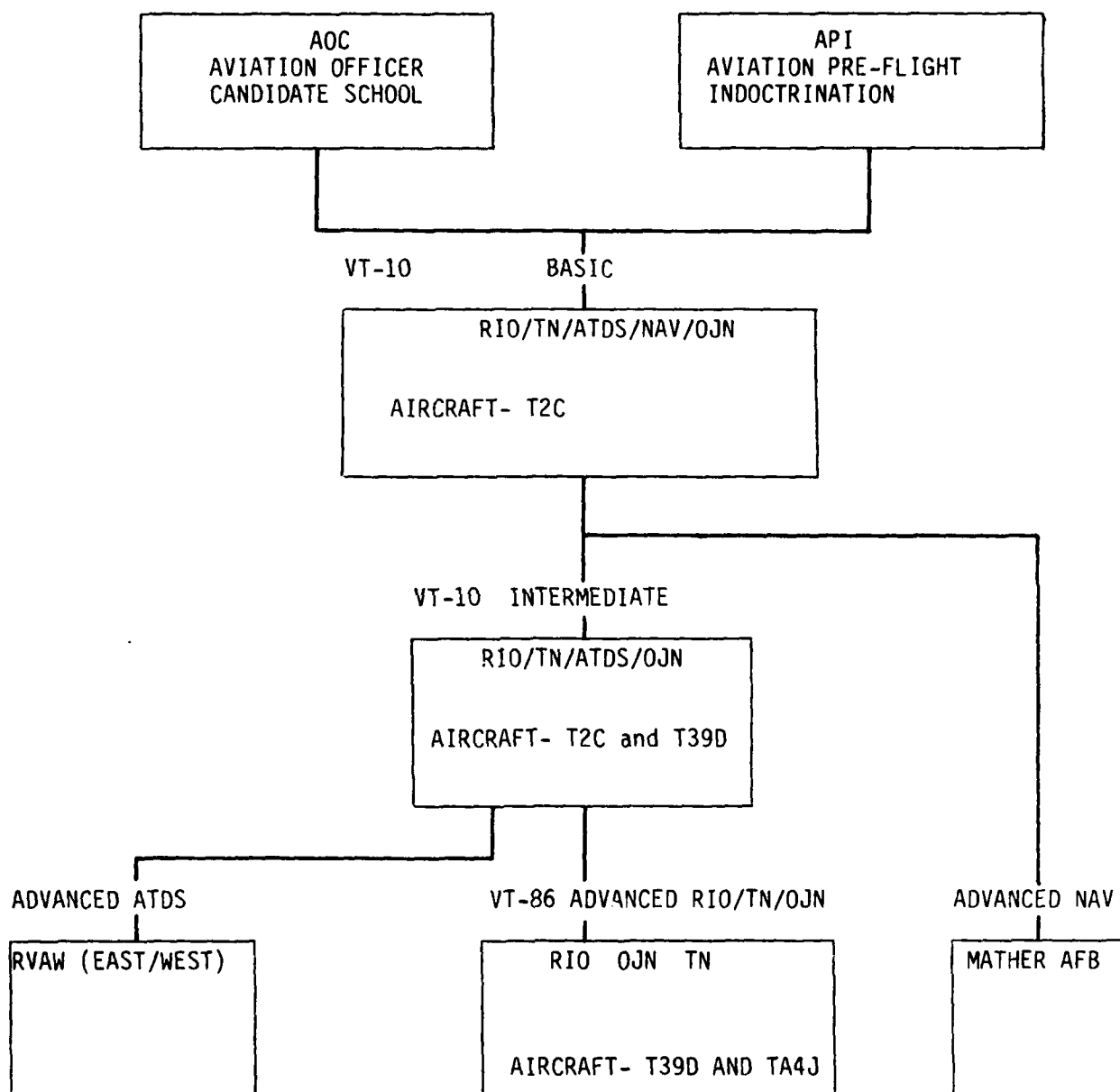


Figure 3. Naval Flight Officer Training Pipelines

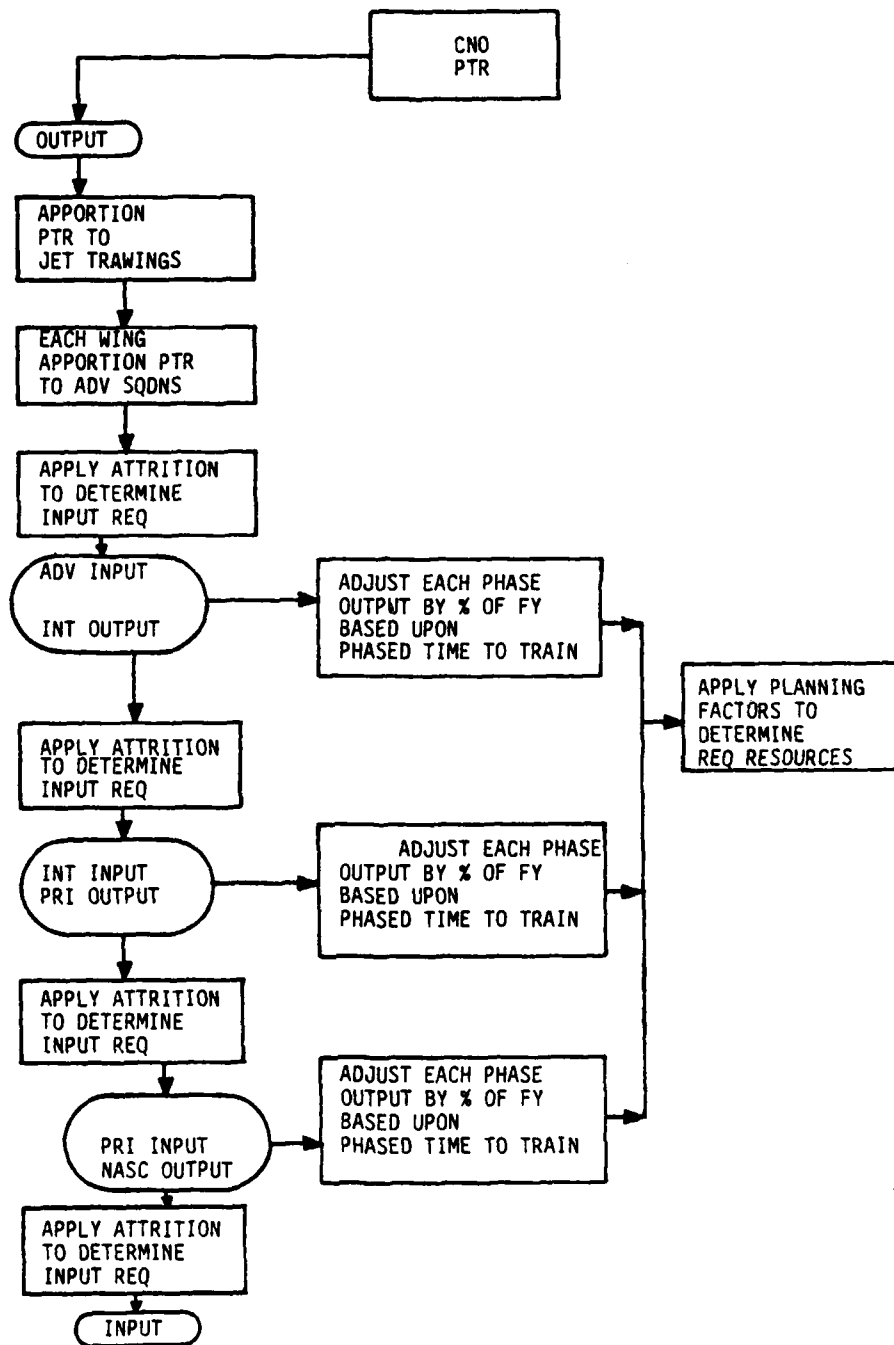


Figure 4. Micro View of Strike Pipeline PTR Determination Process

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TABLE 1. TRAINING WING RESOURCE REQUIREMENTS CALCULATIONS

<u>Flight Hours</u>	
Annual Flight Hours (I) = Phased PTR (I) X aircraft HRS/Student (I)	
$\text{Total Annual Flight Hours} = \sum_{\substack{\text{Other} \\ I = \text{USN}}} \text{Annual Flight Hours (I)}$	
Where I is the type of student - USN, USMC, USCG, Foreign, Other.	
PTR is pilot training rate	
<u>Aircraft</u>	
$\text{A-3 Status Aircraft (I)} = \frac{\text{Annual Aircraft Flight Hours (I)}}{\text{Annual Aircraft Utilization (I)}}$	
$\text{Total A-3 Status Aircraft} = \sum_{\substack{\text{Other} \\ I = \text{USN}}} \text{A-3 Status Aircraft (I)}$	
<u>Group IX Enlisted</u>	
$\text{Group IX Enlisted (I)} = \sum_J \text{A-3 Status Aircraft (I)} \times \text{Mo (I,J)}$	
Where Mo = Maintenance Factor and J = Squadron or Naval Air Station	
$\text{Total Group IX Enlisted} = \sum_{\substack{\text{Other} \\ I = \text{USN}}} \text{Group IX Enlisted (I)}$	

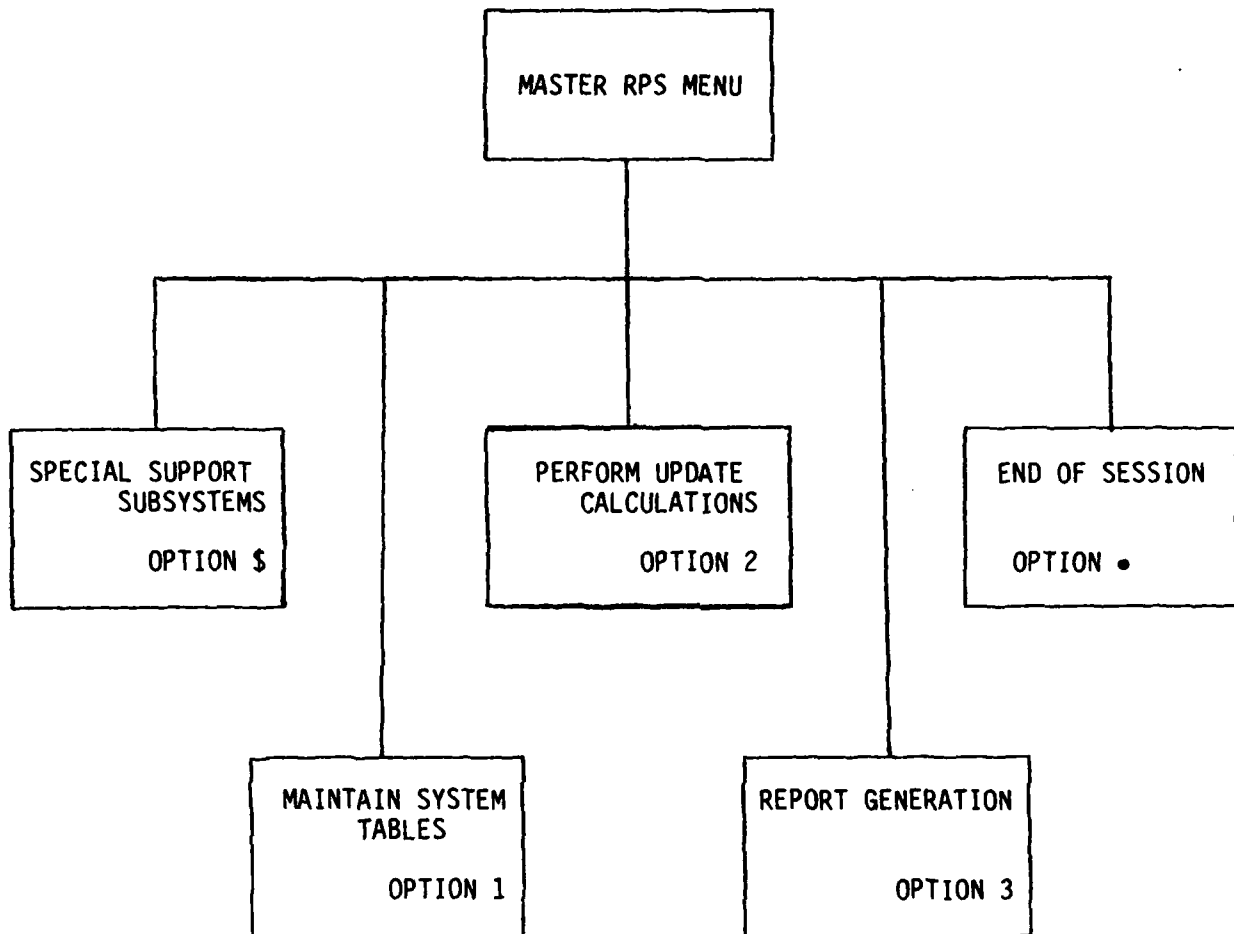


Figure 5. Resource Planning System (RPS) Master Menu

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This system is highly interactive and user oriented; consequently, numerous messages and instructions are provided throughout to aid the user. Additionally, the system can accommodate a variety of users in both the initial insertion of data as well as in the analysis of these data.

The operating environment and special support software deserve special attention and are discussed in this overview. The RPS software is written in BASIC-2 and designed to operate on a WANG 2200 VP or WANG 2200 MVP computer in either a multiplexed or non-multiplexed disk environment. All models of currently available WANG disks are supported. The RPS uses Key File Access Method Seven (KFAM-7) for initializing all of the system data key files and the help subsystem files. Full record protection is afforded by RPS and KFAM-7. The KFAM-7 programs used with the RPS have been modified to support additional error recovery tables. Therefore, only the KFAM-7 programs supplied with the RPS should be used.

In a multi-user environment, RPS assigns a unique station number to each user. This station number, along with the current date and disk address of the data files, is displayed in the upper right corner of the master menu and all subsystem menus.

SYSTEM OPTIONS

The Special Support Subsystem (Option \$) software consists of programs to initialize files, edit help files, rebuild key files, and provide error recovery. Two special support options are provided for error recovery. These options allow the user to reset the RPS Busy Flags and Reset the User Table.

The help files may be used to provide messages to aid the user as to how to proceed at various places in the system. These help files may be customized by the user to place more or less emphasis on different parts of the system and to describe procedures or techniques which may be unique to the command.

The Maintain System Tables Subsystem (Option 1) allows the user to input, edit, delete, and print data items related to the PTR. This also includes Planning Factors and Phasing Percentage.

The Perform Update Calculations Subsystem (Option 2) is used to calculate the PTR file, the phased PTRs and the resource outputs. Additionally, this subsystem allows the user to print the Phase PTR.

The Report Generation Subsystem (Option 3) enables the user to print a variety of reports from the calculated PTR file and Phased FY requirements.

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ORGANIZATION OF THIS REPORT

In addition to this introduction the report is divided into two other sections and three appendices. Section II briefly describes the RPS and its major options and suboptions. Section III is a detailed guide to the operation of the RPS. Examples of the Naval Aviator Pipelines are contained in appendix A. Appendix B contains examples of the various file outputs; appendix C contains examples of the various reports available from the RPS.

SECTION II

RPS SYSTEM DESIGN

One of the primary objectives of the CNATRA RPS is to provide the ability to model student flow through the NATRACOM in a manner that can easily accommodate changes to the structure without necessitating a computer program change. This objective is met by making the RPS table driven. The most important table in the system is the Pipeline Structure Table (PST); a portion of this table is presented in figure 6. In order to understand and use the system effectively, the user must understand how each pipeline is modeled as well as understand the PST. A model of the helicopter pipeline training is presented in figure 7 where each block represents a phase of training (omitting officer and other). Appendix A contains similar diagrams for all other pipelines. The pipeline as shown in figure 7 is represented in the PST of figure 6.

Note that in the pipeline structure table (figure 6) the helicopter pipeline is designated in the table by the letter "H". The pipeline identification (ID) is simply a number used to keep all of the records for a particular pipeline together. Usually the wing number for the advanced training squadrons is used. The pipeline position denotes the position of a record or block in the pipeline model. A "1" indicates the end of the pipeline while a "6" indicates the beginning. The training wing is the training wing number for training squadrons (TRARON). A letter is used to indicate the training phase.

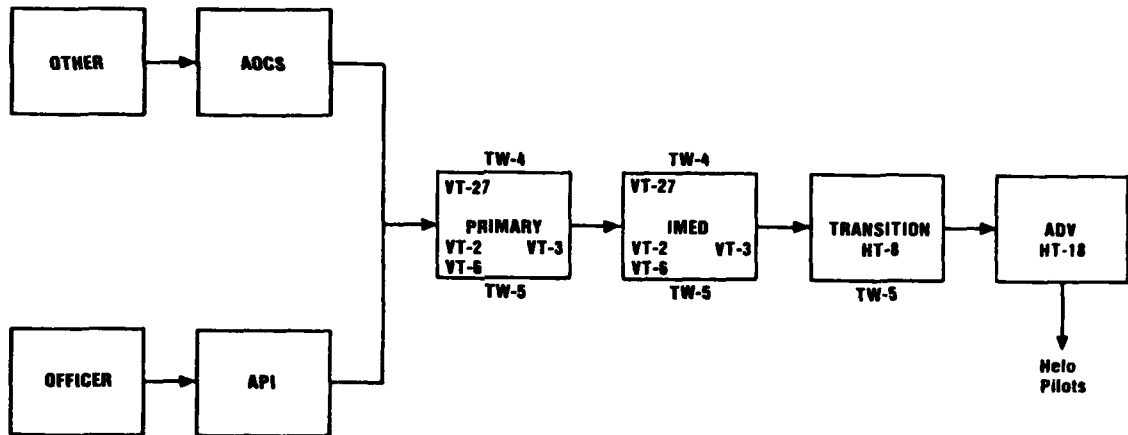
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RECORD NO.	TRAINING PIPELINE	PIPELINE ID	POS.	TRAINING WING	PHASE	SQUAD- RON	DIST. RATE	UIC	AG	SAG
1	A		1		A	RVAW	0.00			
2	A		3	6	I	VT-10	1.00			
3	A		4	6	P	VT-10	1.00			
4	A		5		C	API	0.50			
5	A		5		D	API	0.50			
6	A		6		F	OFF	1.00			
7	A		6		O	AOCS	1.00			
8	A		6		E	N-OFF	1.00			
9	E	4	1	4	A	VT-28	0.00			
10	E	4	1	4	A	VT-31	0.00			
11	E	4	3	1	I	VT-19	0.12			
12	E	4	3	1	I	VT-9	0.38			
13	E	4	3	2	I	VT-23	0.38			
14	E	4	3	3	I	VT-26	0.38			
15	E	4	4	4	P	VT-27	0.29			
16	E	4	4	5	P	VT-2	0.25			
17	E	4	4	5	P	VT-3	0.25			
18	E	4	4	5	P	VT-6	0.25			
19	E	4	5		C	API	0.50			
20	E	4	5		D	API	0.50			
21	E	4	6		F	OFF	1.00			
22	E	4	6		O	AOCS	1.00			
23	E	4	6		E	N-OFF	1.00			
24	H	5	1	5	A	HT-18	0.00			
25	H	5	2	5	T	HT-8	1.00			
26	H	5	3	4	N	VT-27	0.25			
27	H	5	3	5	N	VT-2	0.25			
28	H	5	3	5	N	VT-3	0.25			
29	H	5	3	5	N	VT-6	0.25			
30	H	5	4	4	P	VT-27	0.25			
31	H	5	4	5	P	VT-2	0.25			
32	G	5	4	5	P	VT-3	0.25			
33	H	5	4	5	P	VT-6	0.25			
34	H	5	5		C	API	0.50			
35	H	5	5		D	API	0.50			
36	H	5	6		F	OFF	1.00			
37	H	5	6		O	AOCS	1.00			
38	H	5	6		E	N-OFF	1.00			
39	M	4	1	4	A	VT-28	0.00			
40	M	4	1	4	A	VT-31	0.00			

Figure 6. Pipeline Structure Table (Part)

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Helo Pipeline



TW = Wing No.

Figure 7. Helicopter Pipeline Model

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TABLE 2. PIPELINE STRUCTURE TABLE RECORD DESCRIPTION

TERM	DESCRIPTION	VALUES
Training Pipeline	Indicates the different pipelines	'S' - Strike 'M' - Maritime 'H' - Helicopter 'P' - Phased Maritime 'E' - E2/C2 (Maritime) 'R' - RIO (NFO) 'T' - TN (NFO) 'A' - ATD (NFO) 'N' - Navigator (NFO) 'O' - OJN (NFO)
Pipeline ID	Number used to keep all of a record for a particular pipeline together (Number is the same as the training wing at which a student completes Navy training within the Naval Air Training Command)	1 = Strike 2 = Strike 3 = Strike 4 = Maritime E2/C2 (Maritime) Phased Maritime 5 = Helicopter 6 = ATD (NFO) Navigator (NFO) RIO (NFO) TN (NFO) OJN (NFO) STRIKE
Pipeline Position	Position within the various training pipelines	'1' - Advanced '2' - Transition '3' - Intermediate '4' - Primary/Basic NFO '5' - API/AOCS '6' - Officer Input '6' - Non-Officer Input
Training Wing	Indicates a training wing	'1' - TRAWING 1 '2' - TRAWING 2 '3' - TRAWING 3 '4' - TRAWING 4 '5' - TRAWING 5 '6' - TRAWING 6

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TABLE 2. PIPELINE STRUCTURE TABLE RECORD DESCRIPTION (continued)

TERM	DESCRIPTION	VALUES
Training Phase	Indicates the various phases of training	'A' - Advanced 'C' - AOCS 'D' - API 'E' - Non-Officer 'F' - Officer 'I' - Intermediate (Strike & NFO) 'N' - Intermediate (Helo & Maritime) 'P' - Primary/Basic NFO 'T' - Transition Helicopter
Squadron	Indicates the various training Activity/Sources for Personnel in the Pipeline	Any Training Squadron Plus: API (NASC) AOCS (NASC) RVAW USAF
Distribution Rate	Percent of Students coming out of a TRARON or NASC Phase that go into the next phase of the pipeline. Distribution rates of 0.00 indicate the end of a pipeline.	Values range from 0.00 - 1.00
UIC	Unit Identification Code	For use at a later date
AG	Activity Group	For use at a later date
SAG	Sub-Activity Group	For use at a later date

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The squadron column denotes the squadron number or phase of training in the Naval Aviation Schools Command (NASC). The distribution rate indicates the percent of students coming out of a TRARON or NASC phase that go into the next phase of the pipeline. For example, 100 percent of the students going into advanced helicopter, HT-18, come from transition helicopter, HT-8. On the other hand, the students coming into transition helicopter training come from four squadrons. Figure 6 indicates that 25 percent come from each squadron. The unit identification code (UIC), activity group (AG), and subactivity group (SAG) columns are not currently being used but are in the system for future use.

In addition to understanding the pipeline structure table, the RPS user should also be familiar with several other concepts. A pipeline fiscal year production diagram for the strike pipeline is shown in figure 8. Each of the lines labeled FY ___ Production shows the pipeline for a trainee from AOCS to advanced training. As can be seen from figure 8, a pipeline production envelope goes across three fiscal years. However, resources are budgeted on a fiscal year basis. Therefore, it is necessary to look at the total number of students being trained in a fiscal year. Note from figure 8 that students being trained in FY-82 come from the FY-82, 83, 84 production years. Consequently, to determine resources for a given fiscal year PTR, an equivalent or phased PTR must be calculated. This is done first by calculating the number of graduates required from each training phase to produce the fiscal year PTRs. The graduates from each phase are a function of the inputs and the attrition rates. Once the number of graduates has been calculated, the equivalent PTR can be calculated by determining the percent of students coming from the various fiscal year's production being trained in a given fiscal year. In-training phasing percentages are calculated using the following formula:

$$\text{In-training Phasing Percentage} = \text{Area A} / (\text{Area A} + \text{Area B}) * 100$$

As can be seen from figure 8 (FY-82 Strike Pipeline) these percentages are the ratio of a FY production to the total students being trained in a given fiscal year. For example, in figure 8, 80 percent of the advanced strike students being trained in FY-82 are from the FY-82 production and 20 percent are from the FY-83 production.

The discontinuities shown in figure 8 are due to travel time between training phases and Christmas leave.

Another phasing percentage used in calculating average on board (AOB) is the completion phasing percentage. This phasing percentage is based on the number of students completing a phase of training. For example, from figure 8 it can be determined that the FY-82 primary completion phasing percentages are approximately 14 percent and 86 percent. This means that approximately 14 percent of the students that complete primary strike in FY-82 are a part of the FY-82 production and the other 86 percent are a part of the FY-83 production. Mathematically, the completion phasing percentages may be determined as follows:

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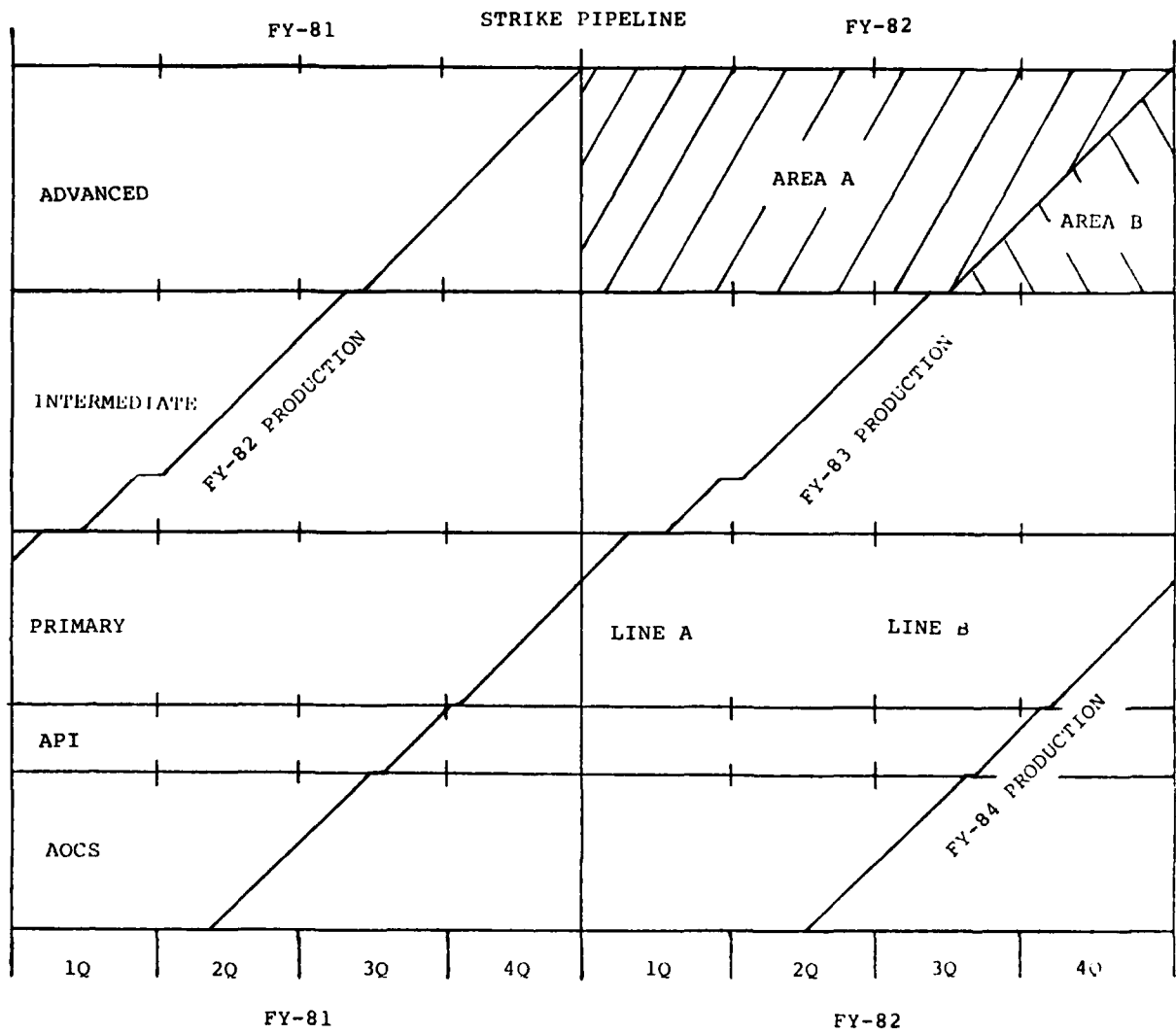


Figure 8. Strike Pipeline Production Diagram

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FY-82 Primary completion phasing percentages of the FY-82 production=
 $\text{Length of line A} / (\text{length of line A} + \text{length of line B}) * 100$

FY-82 Primary completion phasing percentages of the FY-83 production=
 $\text{Length of line B} / (\text{length of line A} + \text{length of line B}) * 100$

It should be noted from figure 8 that the in-training and completion phasing percentages will only change if the curriculum length measured in quarters of fiscal years, time between training phases, and/or the length of Christmas leave period changes (indicated as discontinuities in production year).

Figure 9 presents a hypothetical PTR of 100 for current FY; 125 FY+1 and 140 FY+2. To achieve these PTRs a rollback calculation is made. To produce a PTR of 100 in the current FY which has a 4 percent attrition in the advanced phase, the output of the intermediate phase must be 104 ($100/1-.04$ or $100/.96$). Subsequently, if 104 are required to be trained in the intermediate phase, which has an attrition rate of 8 percent, the primary phase must produce 113 ($104/1-.08$ or $104/.92$). Thus, all the calculations for the PTRs are accomplished in this fashion. To obtain a PTR of 100, NASC must have an input of 150. The calculations for FY equivalent PTR utilizes the area of figure 8 and the calculations of figure 9 give a higher PTR since the FY+1 will produce 25 more than the current FY.

RPS PROGRAM UTILIZATION

Effective utilization of RPS is dependent on the accuracy and completeness of the RPS data bases. Figure 10 presents a sequence diagram for running RPS. Steps 1 through 4 are simply the inputting of the required data into the various data bases. The user should note that the order in which the data is input is not significant. However, all the data must be entered prior to continuing to step 5. The calculations performed in steps 5 through 8 are dependent on the information contained in the data bases. Any of the first four steps may be omitted if there are no changes made in the data bases.

TRAINING PHASE	ATTRITION	FY PTR	FY+1 PTR	FY+2 PTR	FY EQUIVALENT PTR
ADVANCED OUTPUT	4%	100	125	140	$80\% (FY\ PTR) + 20\% (FY + 1\ PTR)$ $.80 \times 100 + .20 \times 125$ $80 + 25 = 105$
INTERMEDIATE OUTPUT	8%	$\frac{100}{1-0.04} = 104$	$\frac{125}{1-0.04} = 131$	$\frac{140}{1-0.04} = 146$	$40\% (FY\ PTR) + 60\% (FY + 1\ PTR)$ $.40 \times 104 + .60 \times 131$ $41.6 + 78.6 = 121$
PRIMARY OUTPUT	16%	$\frac{104}{1-0.08} = 113$	$\frac{131}{1-0.08} = 143$	$\frac{146}{1-0.08} = 159$	$2\% FY\ PTR + 89\% (FY + 1\ PTR) + 90\% (FY + 2\ PTR)$ $.02 \times 113 + .89 \times 143 + .09 \times 159$ $2.26 + 127.27 + 14.31 = 144$
NASC OUTPUT	10%	$\frac{113}{1-0.16} = 135$	$\frac{143}{1-0.16} = 171$	$\frac{159}{1-0.16} = 190$	$0\% (FY\ PTR) + 68\% (FY + 1\ PTR) + 39\% (FY + 2\ PTR)$ $0 + .68 \times 171 + \quad \times 190$ $0 + 112.86 + 64.6 = 178$
NASC INPUT	--	$\frac{135}{1-0.1} = 150$	$\frac{171}{1-0.1} = 190$	$\frac{190}{1-0.1} = 211$	$0 (FY\ PTR) + 40\% (FY + 1\ PTR) + 60\% (FY + 2\ PTR)$ $0 + .4 \times 190 + .60 \times 211 = 203$

Note: Numbers greater than 0.2 are rounded to the next highest integer.

Figure 9. Sample Equivalency PTR Calculation

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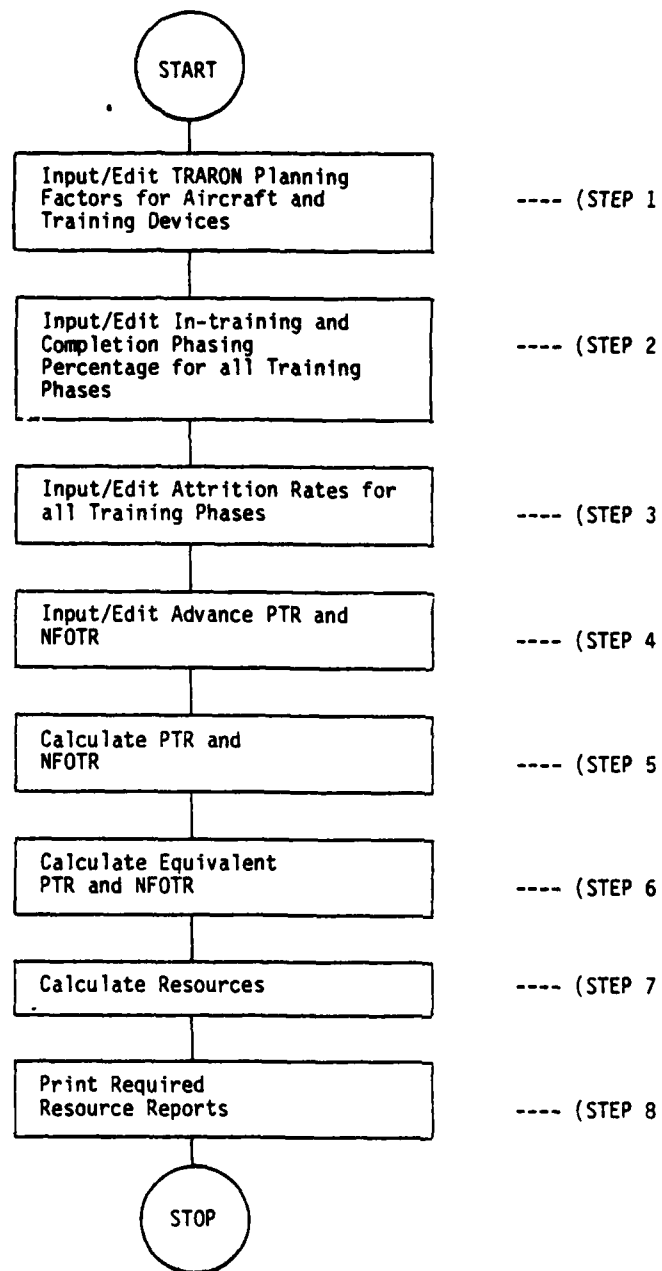


Figure 10. Sequence Diagram for Running RPS

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SECTION III

RPS OPERATING PROCEDURES

It is assumed that the required computer hardware (CRT, Disk Drive, and Line Printer) is available to the user intending to use the RPS. Initializing the equipment is an extremely easy task. However, because of the many equipment configurations that are possible, it is desirable that personnel knowledgeable in WANG equipment set up the system for subsequent use. When the system has been set up, the following will appear on the CRT display:

Ready (BASIC-2)

To load the Resource Planning System, the user should type in the following command(s):

Select Disk xxx (*) (Return)
Load Run (Return)

(*) Where "xxx" is replaced by the appropriate disk address.

Upon completion of the above step, the following display will appear on the screen:

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* * * Attention * * *

All of the data entry prompts used throughout this system terminate (cursor moves to next prompt) automatically when full. If the RETURN key is pressed to terminate a prompt which has been filled, the system assumes the RETURN pertains to the next prompt, which is then terminated. This automatic termination of full fields is incorporated into the system to increase user productivity by decreasing the number of keystrokes. It may take some getting use to, but in the long run it is much more efficient.

Note: All data entry prompts will allow input data to be underlined. Be aware that when underlined data is printed on a 2261W printer that underlined data will be printed as blanks.

READY. Please touch RETURN to continue.

Touching RETURN will cause the following display to appear:

Welcome to the Resource Planning System
Please Enter Today's Date (mmddyy): _____

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To continue, the current date must be entered. All fields must contain two digits; a zero should precede any single digit month or day. For example, August 10, 1981, should appear as 081081. After the date is entered, the following questions will appear as the RETURN key is pressed:

Welcome to the Resource Planning System						08/10/81 S: 2													
Please Enter Today's Date (mmddyy): 08/18/81																			
Please Enter Console Address: 005																			
Please Enter Printer Address: 204																			
Please Enter the Disk Address of the disk drive containing RPS Programs: D12																			
Please Enter the Disk Address of the disk drive containing RPS Project Files: D12																			
Please enter Fiscal year: 81																			
<table border="1"><tr><td>! Data Files !</td><td>! System!</td><td>! Console!</td><td>! Printer!</td><td>FY</td><td>!</td></tr><tr><td>! /D12 !</td><td>! /D12 !</td><td>! /005 !</td><td>! /204 !</td><td>82</td><td>!</td></tr></table>								! Data Files !	! System!	! Console!	! Printer!	FY	!	! /D12 !	! /D12 !	! /005 !	! /204 !	82	!
! Data Files !	! System!	! Console!	! Printer!	FY	!														
! /D12 !	! /D12 !	! /005 !	! /204 !	82	!														

The system has been set up to default through these questions, so if there are no changes to be made to the default responses, pressing RETURN five times will allow the user to proceed to the final responses in this section. The screen will now display the final two responses in the section:

Please enter your user ID: #####
Please enter password: #####

The password is an eight character code which must be entered by all users before the system will continue to the next section. The password must be defined at system installation time and is programmed into the system. Once the user ID and password have been entered, the screen will display:

We are now on our way to the next subsystem
of the RESOURCE PLANNING SYSTEM.

which will immediately be followed by:

Resource Planning System: MASTER RPS MENU 08/10/81 S: 2

Option	Available Options
\$	Special Support Subsystem
1	Maintain System Tables
2	Perform Update Calculations
3	Report Generation
•	End of Session

Enter Desired Option: #

The above display is called the MASTER RPS MENU. It is the beginning and end of all subsystem operations. From this menu the user may select any one of the four available options.

When the system is used for the first time, all of the system data files must be initialized; otherwise, any attempts to use the system will result in some error messages. To initialize all the system data files, Option 4, Re-initialize Files, of the Special Support Subsystem described in the next section must be executed. Once all the initializations are completed, the user should return to the MASTER RPS MENU. The user, at this point, may proceed to enter data, perform calculations, and generate reports.

The remainder of this report describes the procedures for operating each of the four subsystems available with the RPS.

SPECIAL SUPPORT SUBSYSTEM (Master RPS Menu Option \$)

Figure 11 shows the various options available to the user of the RPS Special Support Subsystem.

Selecting option \$, Special Support Subsystem, from the MASTER RPS MENU will cause the system to display:

We are now on our way to the next
subsystem of the RESOURCE PLANNING
SYSTEM

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which will be immediately followed by:

Resource Planning System: RPS SPECIAL SUPPORT MENU		07/10/81 S: 2	
Option!	System Accounting Programs	#Option!	Initialize & Rebuild Files
1	! Print Documentation Files	#	!
	-----	#4	! Reinitialize Files
	!	#	!
	! Error Recovery Programs	#	! Special Applications Programs
	-----	#	!
2	! Reset RPS Busy Flags	#\$! Load Special Application
3	! RESET User Table	#	!
		#	!
		# •	! Return to RPS Master Menu
		#	!

Enter Desired Option: #

The special support software consists of system accounting programs, error recovery programs initialization programs, and special applications programs. Options 1 through 4 are of special interest to the user and will be discussed in detail. The last option, LOAD SPECIAL APPLICATION, SHOULD ONLY BE USED BY A SYSTEMS PROGRAMMER.

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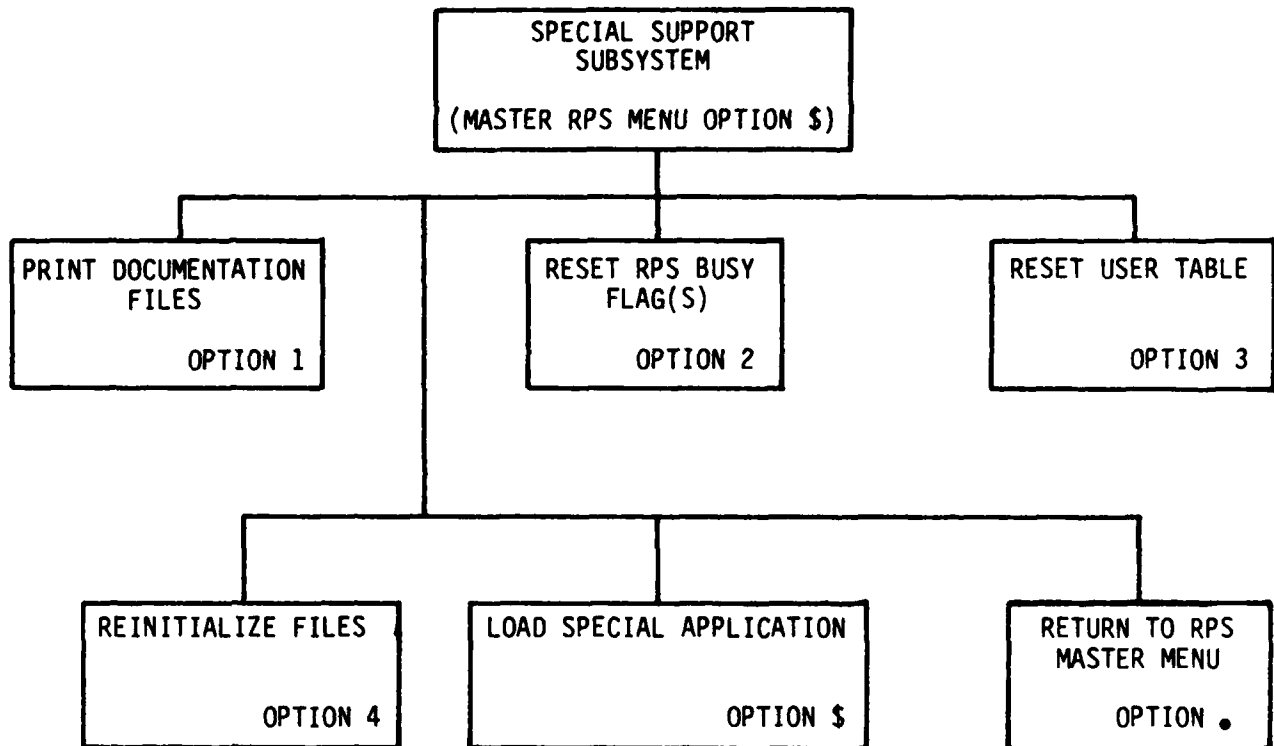


Figure 11. Special Support Subsystem

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OPTION 1, PRINT DOCUMENTATION FILES. Selecting Option 1, Print Documentation Files, from the RPS Special Support Menu will cause the screen to display:

RPS DOCUMENTATION SELECTION MENU		08/10/81 S: 2	
Option!	Documentation Files	#Option!	Documentation Files
1	! RPS Phasing Percentages Doc.	#11	! RPS PTRs and ATRs Doc.
2	! RPS Planning Factors Doc.	#12	! RPS Resource Output Doc.
3	! RPS Phased Output Doc.	#13	! RPS Pipeline Structure Doc.
4	! RPS Parameters Doc.	#14	! RPS Terms & Definitions Doc.
5	! RPS Systems Doc.	#	! CONTROL OPTIONS
		#S	! Select All Documentation Files
		#C	! Clear Selected Doc. Files
		#	!
		#P	! Print Selected Doc. Files
		#•	! Return to Special Support Menu
Select desired documentation file: ##			
Touch RECALL to return to SPECIAL SUPPORT			

OPTION 2, RESET BUSY FLAG(S). Selecting Option 2, Reset RPS Busy Flag(s), from the RPS Special Support Menu will cause the screen to display:

Resource Planning System: RESET BUSY FLAGS		08/10/81 S: 2	
Options			
1	All Flags		
2	One Flag		
•	Return to Previous Menu		
Enter Desired Option: #			

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Selecting option 1 or 2 from this menu will cause the screen to display:

Resource Planning System: SYSTEM DATA FILE BUSY FLAG RESET			08/10/81	S: 2
Subsystem Name	File Name	Option		
PTR/Attrition File	RPS F1PT	N		
Planning Factors File	RPS F1PF			
Phasing Percentages File	RPS F1PP			

This display contains a listing of all the files contained in the RPS program. It is used by the programmer or user to close any files that may have been inadvertently left open.

OPTION 3, RESET USER TABLE. Selecting Option 3, Reset User Table, from the RPS Special Support Menu will cause the screen to display:

Resource Planning System: RESET USER TABLE
I'm sorry, but only a user using the System ID may execute this program

If the System ID has been entered the following display will appear:

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Resource Planning System: RESET USER TABLE

08/10/81 S: 2

- * This program will reset the user access table for ALL users of
- * the system. Because of the completeness of this procedure, please
- * go tell any other users to end their session before you continue
- * with this program.

Please enter New Override Password: #####

NOTE

Having to reset the user access table should not become normal procedure. If you find that you are using this option often, it may be an indication of a more serious problem. Please review your operating procedure and be sure you always return to the MASTER MENU and execute the option 'End of Session.'

This display allows the user to reset the entire user table and should be used with extreme caution. After the New Override Password is entered the screen will display:

Resource Planning System: RESET USER TABLE

08/10/81 S: 2

Option: (R-reset, C-change addresses, S-skip sta., E-skip remaining sta.)?#

Station: 1 (.no user.)	ID	FILE NAME	ADDRESS	TYPE
	1			DATA
	2			DATA
	3			DATA
	4			DATA
	5			DATA
	6			DATA
	7			DATA
	8			DATA
	9			DATA
	10			DATA
	11			DATA
	12			DATA
	13			DATA
	14			DATA
	15			DATA
	16			DATA

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The user may now select the station(s) to be reset.

OPTION 4, REINITIALIZE FILES. Selecting Option 4, Reinitialize Files, from the RPS Special Support Menu will cause the following display to appear.

RPS: SYSTEM DATA FILE INITIALIZATION					
Subsystem Name	Filename	Key	Type	Size	Address
PTR/ATTRITION FILE:	RPS F1PT	1	KFAM 7	1000	/D32
PLANNING FACTORS FILE:	RPS F1PF	1	KFAM 7	1000	/D32
PHASING PERCENTAGES FILE:	RPS F1PP	1	KFAM 7	1000	/D32
PHASED OUTPUT FILE:	RPS F1PH	1	KFAM 7	1000	/D32
RESOURCE OUTPUT FILE:	RPS F1RO	1	KFAM 7	1000	/D32
SQUADRON TABLE:	RPS@VST	0	STANDARD	200	/D32
RES. OUTPUT FILE TABLE:	RPS@ROFT	0	STANDARD	6	/D32
* * Enter "GO" to start initializing procedures * *					
!file name!key!type!sctr/rec!rec len!blk fctr!key len!strt key!kfam ver!					
!RPS F1PT! 1 ! M ! 2 ! 1 ! 1 ! 8 ! 3 ! 7 !					

This subsystem is used to initialize all of the system data key files and help files. It must be executed when the system is originally set up. The help files should not have to be initialized during subsequent program runs, however, depending on data requirements it may be necessary to reinitialize the RPS Data Files.

MAINTAIN SYSTEM TABLES (MASTER RPS MENU OPTION 1)

Figure 12 shows the various options available to the user of the RPS Maintain System Tables Subsystem.

Selecting Option 1, Maintain System Tables Subsystem from the MASTER RPS MENU will cause the system to display:

We are now on our way to the next subsystem of the
RESOURCE PLANNING SYSTEM.

which will be immediately followed by:

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Resource Planning System: MAINTAIN SYSTEM TABLES SUBSYSTEM MENU 08/10/81 S: 2

Option!	Available Options
1	! Maintain Pipeline Structure Table
2	! Input/Edit PTR file
3	! Input/Edit Phasing Percentages file
4	! Input/Edit Planning Factors file
•	! Return to MASTER RPS MENU

Enter Desired Option: #

OPTION 1, MAINTAIN PIPELINE STRUCTURE TABLE. Selecting Option 1 from this menu will result in the following display:

We are now on our way to the next subsystem of
the RESOURCE PLANNING SYSTEM.

which will be immediately followed by:

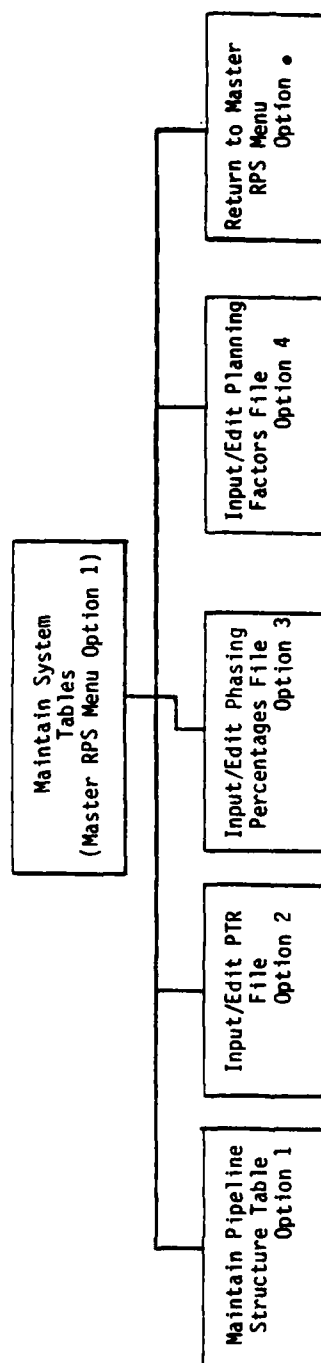


Figure 12. Maintain System Tables Subsystem

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Resource Planning System: PIPELINE STRUCTURE TABLE

S: 2

Record No.	TRAINING PIPELINE	Pipeline ID	POS.	TRAINING WING	PHASE	SQUADRON
1	A	1	1	A	A	RVAW
2	A	3	6	I	I	VT-10
3	A	4	6	P	P	VT-10
4	A	5		C	C	API
5	A	5		D	D	API
6	A	6		F	F	OFF
7	A	6		O	O	AOCS
8	A	6		E	E	N-OFF
9	E	4	1	4	A	VT-28
10	E	4	1	4	A	VT-31
11	E	4	3	1	I	VT-19
12	E	4	3	1	I	VT-9
13	E	4	3	2	I	VT-23
14	E	4	3	3	I	VT-26
15	E	4	4	4	P	VT-27

Options: RECALL-Previous menu or field; RETURN-Next field;
 N-Next Page; B-Previous Page; >-Right screen; <-Left screen;
 S-Save table; H-Display help; P-Print table; rec #-of line to edit: ###

Pressing < to display the left portion of the screen will cause the following to appear:

Resource Planning System: PIPELINE STRUCTURE TABLE

S: 2

Record No.	Distribution Rates For:									
	Navy	Marine	USCG	FMS	OTHER					
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
5	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
6	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
7	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
8	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
13	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
14	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Options: RECALL-Previous menu or field; RETURN-Next field;
 N-Next Page; B-Previous Page; >-Right screen; <-Left screen;
 S-Save table; H-Display help; P-Print table; rec #-of line to edit: ###

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Pressing > to display the right portion of the screen will cause the following to appear:

Resource Planning System: PIPELINE STRUCTURE TABLE

Record No.	UIC	AG	SAG
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Options: RECALL-Previous menu or field; RETURN-Next field;
N-Next Page; B-Previous Page; >-Right screen; <-Left screen;
S-Save table; H-Display help; P-Print table; rec #-of line to edit: ###

To enter a new record or edit the existing record the user enters the record number and presses RETURN. The cursor will immediately appear at the correct position and entering/editing can commence. A help file is provided to aid the user in filling out the table. It provides brief explanations of the data items contained in the table and, in some instances, provides the data elements that are used in constructing the table. It should be noted that the help files are provided as an aid to the user and consequently they can be customized to suit his/her specific needs. Entering "HELP" will cause the screen to display the following three screens of information.

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HELP SCREEN

TRAINING PIPELINE CODES

S-STRIKE

H-HELICOPTER

M-MARITIME

P-PHASED MARITIME

E-E2/C2 (MARITIME)

N-NAV

A-ATD

T-TN

R-RIO

O-OJN

PIPELINE ID

1

2

3

4

5

6

PIPELINE POSITION - Defines the Structure of the Pipeline.

See Graphs for actual structure !!!

ex.

+-----+ +-----+ +-----+ +-----+ +-----+

! 6 !-----! 5 !-----! 4 !-----! 3 !-----! 1 !

+-----+ +-----+ +-----+ +-----+ +-----+

+-----+ +-----+

! 2 !-----! 1 !

+-----+ +-----+

Press any key to continue Help File or RECALL to return to Edit Mode.#

HELP SCREEN

TRAINING WINGS

1

2

3

4

5

6

TRAINING PHASE

A-ADVANCED

T-TRANSITION

I-INTERMEDIATE

P-PRIMARY

N-Intermediate

C-AOCS

D-API

E-NON OFFICER

F-OFFICER

(Helo & Mar)

SQUADRON NAME: 5 CHARACTER FIELD USED FOR INSERTING SQUADRON ID, i.e., VT-2,

VT-3, VT-28.

Press any key to continue Help File or RECALL to return to Edit Mode.#

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HELP SCREEN

DISTRIBUTION RATES

Used to calculate PTRs. This is a percentage.

UIC - Squadron Unit Identification Code

AG - Squadron Activity Group

SAG - Squadron Sub-Activity Group

Press any key to return to Edit Mode.#

OPTION 2, INPUT/EDIT to PTR File. Selecting Option 2 of the Maintain System Tables Subsystem will cause the program to display:

Resource Planning System: PTR INPUT/EDIT MENU

08/10/81 S:2

OPTIONS

- 1 ADD RECORDS
- 2 EDIT RECORDS
- 3 DELETE RECORDS
- RETURN TO PREVIOUS MENU

ENTER DESIRED OPTION:

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Selecting Option 1, 2, or 3 from the PTR INPUT/EDIT MENU will cause the program to display the next five displays in the sequence presented. As the user enters the particular KEY, in this instance, P for PILOT or N for NFO, the new display information will appear.

Resource Planning System: KEY ENTRY SCREEN		08/10/81 S:2		
** ADD MODE **				
Enter the components of the key.				
-type training----				
(Enter . to Select Another Mode)				
KEY:				
OPTIONS				
<table border="1"><tr><td>P-PILOT</td><td>N-NFO</td></tr></table>			P-PILOT	N-NFO
P-PILOT	N-NFO			

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Resource Planning System: KEY ENTRY SCREEN 08/10/81 S:2

** ADD MODE **
Enter the components of the key.

P
-pipeline----- (Enter • to Select Another Mode)

KEY: P

OPTIONS

S-STRIKE M-MARITIME H-HELICOPTER P-PHASED MARITIME E-E2/C2 (MARITIME)

After the user inserts an S the following appears:

Resource Planning System: KEY ENTRY SCREEN 08/10/81 S:2

** ADD MODE **
Enter the components of the key.

P
S
-pipeline ID-----# (Enter • to Select Another Mode)

KEY: PS

OPTIONS

PIPELINE ID's : 1 2 3 4 5 6

After the user inserts a 1 the following appears:

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Resource Planning System: KEY ENTRY SCREEN

08/10/81 S: 2

** ADD MODE **

Enter the components of the key.

P
S
1
#

(Enter • to Select Another Mode)

-training phase---

KEY: PS1

OPTIONS

N-INTERMEDIATE (HELO & MAR)
A-ADVANCED C-AOCS

P-PRIMARY
D-API

I-INTERMEDIATE
E-NON-OFFICER

T-TRANSITION
F-OFFICER

After the user inserts an A the following appears:

Resource Planning System: KEY ENTRY SCREEN

08/10/81 S: 2

** ADD MODE **

Enter the components of the key.

P
S
1
A

(Enter • to Select Another Mode)

-squadron-----

KEY: PS1A

VALID SQUADRONS

VT-7

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After the final key (VT-7) is entered, the following display appears:

```

Resource Planning System: PTR INPUT/EDIT      page 1      08/10/81 S: 2
PIPELINE P      DIVISION S      PIPE.ID 1      LEVEL A      SQUADRON VT-7
      LINE      FY 80      FY 81      FY 82      FY 83      FY 84      FY 85      FY 86
+=====+=====+=====+=====+=====+=====+=====+=====+
!USN      ! PTR !      1 !      74 !      69 !      79 !      79 !      79 !      79 !
!          ! ATR !      2 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 !
+=====+=====+=====+=====+=====+=====+=====+=====+
!USMC      ! PTR !      3 !      46 !      48 !      49 !      49 !      49 !      49 !
!          ! ATR !      4 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 !
+=====+=====+=====+=====+=====+=====+=====+=====+

-----Options-----

C: SEE ALL      Enter Option: ##      S: SAVE      RECORD
P: PRINT      A: ABORT      RECORD
D: DUPLICATE ATTRITIONS

```

Entering C, from the prompt line will cause the following display to appear:

```

Resource Planning System: PTR INPUT/EDIT          page 1          08/10/81 S: 2
PIPELINE P          DIVISION S          PIPE.ID 1          LEVEL A          SQUADRON VT-7
LINE FY 80          FY 81          FY 82          FY 83          FY 84          FY 85          FY 86
+-----+-----+-----+-----+-----+-----+-----+-----+
!USN      ! PTR ! 1 ! 74 ! 69 ! 79 ! 79 ! 79 ! 79 ! 79 !
!          ! ATR ! 2 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 !
+-----+-----+-----+-----+-----+-----+-----+-----+
!USMC      ! PTR ! 3 ! 46 ! 48 ! 49 ! 49 ! 49 ! 49 ! 49 !
!          ! ATR ! 4 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 ! 4.00 !
+-----+-----+-----+-----+-----+-----+-----+-----+
!USCG      ! PTR ! 5 ! 0 ! 0 ! 0 ! 0 ! 0 ! 0 ! 0 !
!          ! ATR ! 6 ! 0.00 ! 0.00 ! 0.00 ! 0.00 ! 0.00 ! 0.00 ! 0.00 !
+-----+-----+-----+-----+-----+-----+-----+-----+
!FMS       ! PTR ! 7 ! 0 ! 0 ! 0 ! 0 ! 0 ! 0 ! 0 !
!          ! ATR ! 8 ! 0.00 ! 0.00 ! 0.00 ! 0.00 ! 0.00 ! 0.00 ! 0.00 !
+-----+-----+-----+-----+-----+-----+-----+-----+
!OTHER     ! PTR ! 9 ! 0 ! 0 ! 0 ! 0 ! 0 ! 0 ! 0 !
!          ! ATR ! 10 ! 0.00 ! 0.00 ! 0.00 ! 0.00 ! 0.00 ! 0.00 ! 0.00 !
+-----+-----+-----+-----+-----+-----+-----+-----+
-----Options-----
X: PAGE
C: NON ZERO          Enter Option: ##
Z: PRINT
S: SAVE RECORD
A: ABORT RECORD
D: DUPLICATE ATTRITIONS

```


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OPTION 3, INPUT/EDIT Phasing Percentages File. Selecting Option 3 from the Maintain System Tables Menu will cause the program to display:

Resource Planning System: PHASING PERCENTAGES INPUT/EDIT MENU 08/10/81 S: 2

OPTIONS

- 1 ADD RECORDS
- 2 EDIT RECORDS
- 3 DELETE RECORDS
- RETURN TO PREVIOUS MENU

Enter Desired Option: #

Selecting option 1, 2, or 3 from the Phasing Percentages Input/Edit Menu will cause the program to display the next four displays in the sequence presented. As the user enters the required KEY the new display information will automatically appear.

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Resource Planning System: KEY ENTRY SCREEN

08/10/81 S: 2

** ADD MODE **

Enter the components of the key.

-type training---- #

(Enter • to Select Another Mode)

KEY:

OPTIONS

P-PILOT

N-NFO

After entering a P the following appears:

Resource Planning System: KEY ENTRY SCREEN

08/10/81 S: 2

** ADD MODE **

Enter the components of the key.

-pipeline----- P
#

(Enter • to Select Another Mode)

KEY: P

OPTIONS

S-STRIKE

M-MARITIME

H-HELICOPTER

P-PHASED MARITIME

E-E2/C2 (MARITIME)

Upon entering an S the following display appears:

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Resource Planning System: KEY ENTRY SCREEN 08/10/81 S: 2

** ADD MODE **

Enter the components of the key.

P
S (Enter • to Select Another Mode)
-pipeline id----- #

KEY: PS

OPTIONS

PIPELINE ID's : 1 2 3 4 5 6

After entering a 1 the following appears:

Resource Planning System: KEY ENTRY SCREEN 08/10/81 S: 2

** ADD MODE **

Enter the components of the key.

P
S (Enter • to Select Another Mode)
1
-training phase---

KEY: PS1

OPTIONS

N-INTERMEDIATE (HELO & MAR)	P-PRIMARY	I-INTERMEDIATE	T-TRANSITION
A-ADVANCED	C-AOCS	D-API	E-NON-OFFICER
			F-OFFICER

After the final key is entered the following display appears:

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Resource Planning System: PHASING PERCENTAGES TABLE									
08/10/81 S: 2									
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
!=====!	TYPE TRAINING	!	PIPELINE	!	PIPE ID	!	TRAINING LEVEL	!=====!	
!=====!	P	!	S	!	1	!	A	!=====!	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
!=====!	LINE	!=====!	FISCAL	!=====!	IN TRAINING	!	%	!=====!	COMPLETIONS
!=====!	NO.	!=====!	YEAR	!=====!	YR1	!	YR2	!	YR3
!=====!	!	!=====!	!	!=====!	!	!	!	!=====!	!
!	1	!=====!	80	!=====!	80.00	!	20.00	!	0.00
!	2	!=====!	81	!=====!	80.00	!	20.00	!	0.00
!	3	!=====!	82	!=====!	80.00	!	20.00	!	0.00
!	4	!=====!	83	!=====!	80.00	!	20.00	!	0.00
!	5	!=====!	84	!=====!	80.00	!	20.00	!	0.00
!	6	!=====!	85	!=====!	80.00	!	20.00	!	0.00
!	7	!=====!	86	!=====!	80.00	!	20.00	!	0.00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
ENTER OPTION (RECALL, RETURN, line #, Save, Help, Print):									

OPTION 4, INPUT/EDIT PLANNING FACTOR FILE. Selecting Option 4 from the Maintain System Tables Menu will result in the following display:

```
Resource Planning System:  PLANNING FACTOR INPUT/EDIT MENU      08/10/81  S:  2
```



```
OPTIONS
```



```
1      ADD RECORDS
2      EDIT RECORDS
3      DELETE RECORDS
4      RETURN TO PREVIOUS MENU
```



```
                                     Please enter desired option or RETURN:  #
```

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Selecting option 1, 2, or 3 from the Planning Factor Input/Edit Menu will cause the program to display the next seven displays in the sequence presented. As the user enters the desired KEY the new display information will appear automatically.

Resource Planning System: KEY ENTRY SCREEN 08/10/81 S: 2

** EDIT MODE **

Enter the components of the key.

-type training----

(Enter • to Select Another Mode)

KEY:

OPTIONS

P-PILOT

N-NFO

Upon selecting a P the screen will display:

Resource Planning System: KEY ENTRY SCREEN 08/10/81 S: 2

Enter the components of the key

P

-pipeline-----

(Enter • to Select Another Print Mode)

KEY: P

OPTIONS

S-STRIKE M-MARITIME H-HELICOPTER P-PHASED MARITIME E-E2/C2 (MARITIME)

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After entering an S the screen will display:

Resource Planning System: KEY ENTRY SCREEN		08/10/81 S: 2	
Enter the components of the key			
P			
S			(Enter • to Select Another Print Mode)
-pipeline id-----			
KEY: PS			
OPTIONS			
PIPELINE ID's : 1 2 3 4 5 6			

Inserting a 1 will cause the screen to display the following:

Resource Planning System: KEY ENTRY SCREEN		08/10/81 S: 2	
Enter the components of the key			
P			
S			(Enter • to Select Another Print Mode)
1			
-training phase---			
KEY: PS1			
OPTIONS			
N-INTERMEDIATE (HELO & MAR) P-PRIMARY I-INTERMEDIATE T-TRANSITION			
A-ADVANCED C-AOCS D-API E-NON-OFFICER F-OFFICER			

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Selecting an A will cause the screen to display:

Resource Planning System: KEY ENTRY SCREEN		08/10/81 S: 2
** EDIT MODE **		
Enter the components of the key.		
P		
S	(Enter • to Select Another Mode)	
1		
A		
-squadron-----		
KEY: PS1A		
VALID SQUADRONS		
<div>VT-7</div>		

After entering VT-7 the following display appears:

Resource Planning System: KEY ENTRY SCREEN		08/10/81 S: 2
** EDIT MODE **		
Enter the components of the key.		
P		
S	(Enter • to Select Another Mode)	
1		
A		
VT-7		
-aircraft/siml.---		
KEY: PS1AVT-7		
OPTIONS		
<div>Enter the 5-character Aircraft or Simulator Number</div>		

Entering the proper aircraft/simulator number (in this instance T-2C) the following display appears:

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Resource Planning System: KEY ENTRY SCREEN

08/10/81 S: 2

** EDIT MODE **

Enter the components of the key.

P

S

1

A

VT-7

T-2C

(Enter • to Select Another Mode)

-mil. branch-----

KEY: PS1AVT-7T-2C

OPTIONS

N-USN

M-USMC

C-USCG

F-FMS

O-OTH

After the final KEY ENTRY SCREEN input (N) is made the following display will appear:

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Resource Planning System: PLANNING FACTORS

08/10/81 S: 2

KEY: PS1AVT-7T-2CN

1	First Year Aircraft Available	81	Last Year Aircraft Available	86
---	-------------------------------	----	------------------------------	----

Student Factors				Instructor Factors			
	Syllabus	%	Total	%	Contact	Annual	Hours/
	Hours	Weeks	Attr	Hours	Avail	Time	Student
2	0.0	0.00	0.00	0.00	0.00	0.00	0
							0.00

Aircraft and Simulator Factors						
	Squad	%	Sortie	T-A-T	Annual	Hours/
	Maint	Avail	Length		Util	Student
3	0.00	0.00	0.00	0.00	0	0.00

Other Factors								
Weather	Overhead	Civ	I.U.T.	Admin	Maint	NAS	Enlisted	Other
Factor	Factor	Assign	Overhead	Av.	Support	Maint	Support	Support
0.00	0.00	0	0.00	0	0	0.00	0	0

Enter Option (RECALL, RETURN, line #, Save, Help, Print, Duplicate):

PERFORM UPDATE CALCULATIONS SUBSYSTEM (MASTER RPS MENU OPTION 2)

Figure 13 shows the various systems available to the user of the Perform Update Calculations Subsystem

Selecting Option 2, Perform Update Calculations Subsystem, from the MASTER RPS MENU will result in the following display:

We are now on our way to the next subsystem of the RESOURCE PLANNING SYSTEM.

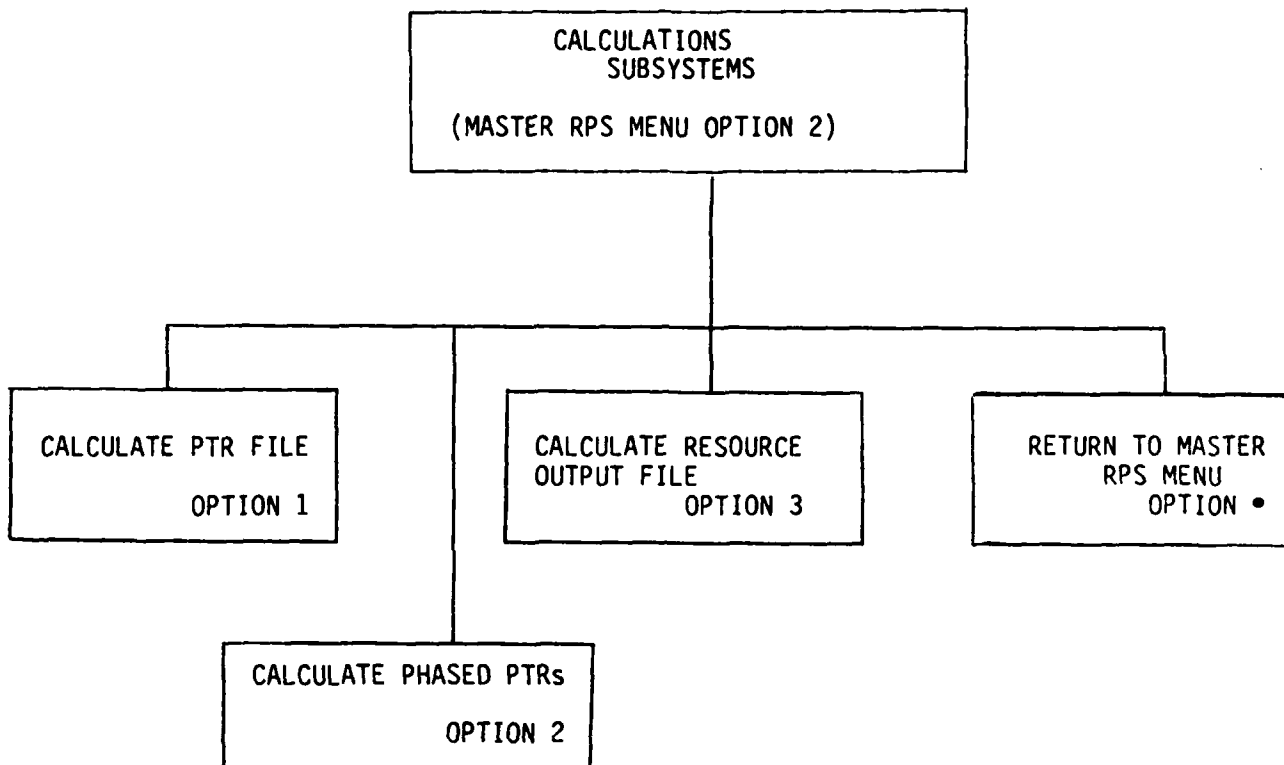


Figure 13. Perform Update Calculations Subsystem

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which will be immediately followed by:

Resource Planning System: Calculations Subsystem Menu		08/10/81 S: 2
Option!	Available Options	
1	!	Calculate PTR File
2	!	Calculate Phased PTRs
3	!	Calculate Resource Output File
•	!	Return to MASTER RPS MENU
		Enter Desired Option: #

OPTION 1, CALCULATE PTR FILE. Selecting Option 1 from this menu will cause the screen to display:

PROCESSING _____

This display will remain on the screen, with only the pipeline KEY changing, until the entire PTR file is recalculated.

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OPTION 2, CALCULATE PHASED PTRs. Selecting Option 2 will cause the screen to display:

Resource Planning System: CALCULATE PHASED PTR FILE	08/10/81 S: 2
<p style="text-align: center;">NOTICE</p> <p>Calculation of new phased PTR's will completely destroy the contents of the previous phased PTR file (RPS F1PH).</p> <p style="text-align: right;">Please Enter "GO" to CONTINUE or RECALL:##</p>	

Upon entering "GO" the following display will appear:

Initialization is now in progress

which will be immediately followed by:

Processing PTR record with key:

This display will remain on the screen, with only the pipeline KEY changing, until the entire Phased PTR file is recalculated.

OPTION 3, CALCULATE RESOURCE OUTPUT FILE. Selecting Option 3 will cause the screen to display:

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Resource Planning System: CALCULATE RESOURCE OUTPUT FILE 08/10/81 S: 2

ENTER ---
the Resource Output File Id
RETURN for default file (RPS.FIRO)
E to edit current table of IDs

#####

Upon entering the desired Resource Output File ID, the following notice will appear:

Resource Planning System: CALCUALTE RESOURCE OUTPUT FILE 08/10/81 S: 2

NOTICE

Calculation of new resources will completely destroy the contents of the previous resource file (RPS FIRO).

Please Enter "GO" to CONTINUE or RECALL:##

Upon entering "GO" the following display information will appear.

Initializing Now In Progress...

which will be followed immediately by:

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Processing Key:-----

This display will remain on the screen, with only the pipeline KEY changing, until the entire Resource Output File is calculated.

REPORT GENERATION SUBSYSTEM (MASTER RPS MENU OPTION 3)

Figure 14 shows the options available to the user of the Report Generation Subsystem.

Selecting Option 3, Report Generation, from the MASTER RPS MENU, will result in the following display:

We are now on our way to the next subsystem
of the RESOURCE PLANNING SYSTEM.

which will be immediately followed by:

Resource Planning System: Report Generation Menu

08/10/81 S: 2

Option!	Available Options
1	! Print PTR File
2	! Print Phasing Percentages File
3	! Print Phased PTR File
4	! Print Planning Factors
5	! Print Planning Factor Keys
6	! Print Resource Output Reports
7	! Print Report (From Calculated PTR File)
•	! Return to MASTER RPS MENU

Enter Desired Option: #

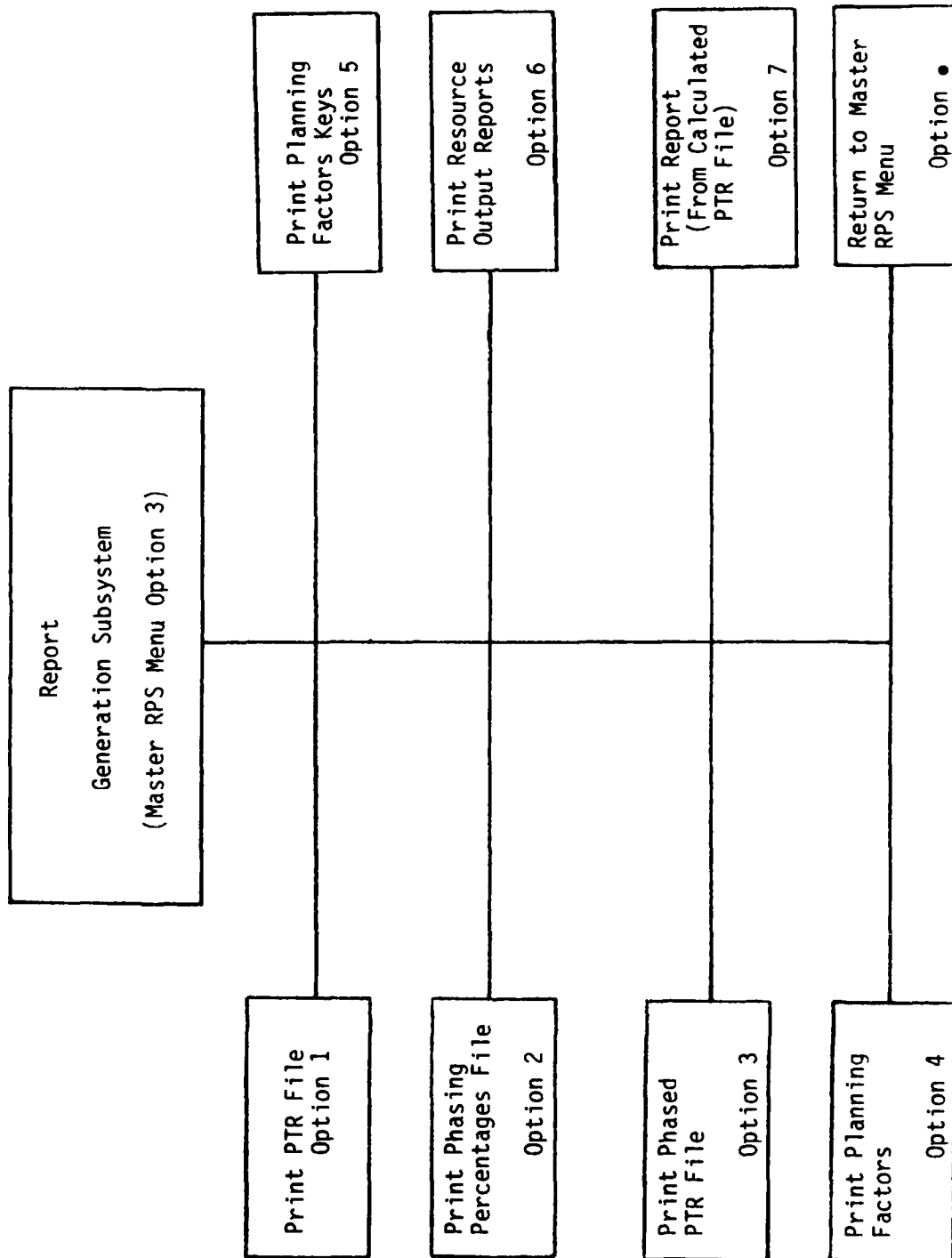


Figure 14. Report Generation Subsystem

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OPTIONS 1, 2, 3, 4 PRINT FILES. Selecting Options 1, 2, 3, or 4 from the Report Generation Menu will cause the program to display the following.

Resource Planning System:		08/10/81 S: 2	
SELECT SORT ORDER			
OPTIONS AVAILABLE		ORDER CHOSEN	
A	Type Training	1	
B	Training Pipeline	2	
C	Pipeline ID	3	
D	Pipeline Position	4	
E	Training Wing	5	
F	Training Phase	6	
G	Squadron	7	
H	UIC	8	
I	Activity Group	9	
J	Subactivity Group	10	

ENTER- Option Letter, 1 to Clear Sort Order, 2 to Default Options, 0 when done #

Touch RECALL to return to main Report Menu

This menu allows the user to specify a particular order to sort the desired file. If the user desires to sort on Squadron first, placing G on the prompt line will cause the screen to display:

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Resource Planning System:

08/10/81 S: 2

SELECT SORT ORDER

OPTIONS AVAILABLE			ORDER CHOSEN
A	Type Training	#####	1 SQUADRON
B	Training Pipeline	#	2
C	Pipeline ID	#	3
D	Pipeline Position	#	4
E	Training Wing	#	5
F	Training Phase	#	6
		#####	7
H	UIC		8
I	Activity Group		9
J	Subactivity Group		10

ENTER- Option Letter, 1 to Clear Sort Order, 2 to Default Options, 0 when done

Touch RECALL to return to main Report Menu

After the sort order is selected, pressing "0" will cause the screen to display:

PTR File Report: Qualifications Menu

08/10/81 S: 2

Do you wish to Qualify the Report on ANY of the items below (Y or N): N

A	TYPE TRNG
B	TRNG PIPE
C	PIPE ID
D	PIPE POS
E	TRNG WING
F	TRNG PHASE
G	SQUADRON
H	UIC
I	AG
J	SAG

This Qualifications Menu provides the user with capability to specifically identify those areas of training that are to be printed out.

If the user inserts a Y, indicating a desire to Qualify the Report the following appears:

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PTR File Report: Qualifications Menu

Enter letter of item you wish to Qualify (0=END): #

A	TYPE TRNG
B	TRNG PIPE
C	PIPE ID
D	PIPE POS
E	TRNG WING
F	TRNG PHASE
G	SQUADRON
H	UIC
I	AG
J	SAG

If the user selects TRNG PIPE and SQUADRON, for example, the following display appears:

PTR File Report: Qualifications Menu

08/10/81 S: 2

TRNG PIPE #

SQUADRON

This allows the user to insert specifically which pipeline or Squadrons are of interest.

However, if the user inserts an N indicating a desire not to qualify any of the items, the following displays appear. The user must indicate a Beginning Key and an Ending Key. The displays for both Keys are identical.

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Resource Planning System: KEY ENTRY SCREEN

08/10/81 S: 2

Beginning Key

Enter the components of the key in your sort order. (; to default)

-type training---- #

KEY:

OPTIONS

P-PILOT

N-NFO

Entering a P will cause the screen to display:

Resource Planning System: KEY ENTRY SCREEN

08/10/81 S: 2

Beginning Key

Enter the components of the key in your sort order. (; to default)

-pipeline----- P
#

KEY:

OPTIONS

S-STRIKE

M-MARITIME

H-HELICOPTER

P-PHASED MARITIME

E-E2/C2 (MARITIME)

R-RIO

T-TN

A-ATD

N-NAVIGATOR

O-OJN

Inserting an S will cause the screen to display:

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Resource Planning System: KEY ENTRY SCREEN	08/10/81 S: 2								
Beginning Key									
Enter the components of the key in your sort order. (; to default)									
P									
S									
-pipeline id-----	#								
KEY: PS									
OPTIONS									
<table border="1"><tr><td>PIPELINE ID's</td><td>:</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr></table>		PIPELINE ID's	:	1	2	3	4	5	6
PIPELINE ID's	:	1	2	3	4	5	6		

Upon entering a 1 the following screen appears:

Resource Planning System: KEY ENTRY SCREEN	08/10/81 S: 2								
Beginning Key									
Enter the components of the key in your sort order. (; to default)									
P									
S									
1									
-pipeline pos-----	##								
KEY: PS1									
OPTIONS									
<table border="1"><tr><td>PIPELINE POS's</td><td>:</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr></table>		PIPELINE POS's	:	1	2	3	4	5	6
PIPELINE POS's	:	1	2	3	4	5	6		

Inserting another 1 will cause the screen to display:

Technical Report 116

Resource Planning System: KEY ENTRY SCREEN

08/10/81 S: 2

Beginning Key

Enter the components of the key in your sort order. (; to default)

P
S
1
1
-training wing---- #

KEY: PS11

OPTIONS

TRAINING WINGS: 1 2 3 4 5 6

Upon entering a 4 the following screen appears:

Resource Planning System: KEY ENTRY SCREEN

08/10/81 S: 2

Beginning Key

Enter the components of the key in your sort order. (; to default)

P
S
1
1
4
-training phase---

KEY: PS114

OPTIONS

N-INTERMEDIATE (HELO & MAR)
A-ADVANCED C-AOCS

P-PRIMARY
D-API

I-INTERMEDIATE
E-NON-OFFICER

T-TRANSITION
F-OFFICER

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After inserting an A the following display appears:

Resource Planning System: KEY ENTRY SCREEN	08/10/81 S: 2
<p>Beginning Key</p> <p>Enter the components of the key in your sort order. (; to default)</p> <div style="display: flex; justify-content: center; align-items: center; gap: 10px;"><div style="text-align: right; padding-right: 10px;">P S 1 1 4 A</div><div style="text-align: left;">-squadron -----</div></div> <div style="text-align: center; margin-top: 20px;"><p>KEY: PS114A</p><p>VALID SQUADRONS</p><div style="border: 1px solid black; padding: 10px; margin-top: 10px; text-align: left;">ENTER ANY SQUADRON</div></div>	

Inserting VT-9 will cause the screen to display:

Resource Planning System: KEY ENTRY SCREEN	08/10/81 S: 2
<p>Beginning Key</p> <p>Enter the components of the key in your sort order. (; to default)</p> <div style="display: flex; justify-content: center; align-items: center; gap: 10px;"><div style="text-align: right; padding-right: 10px;">P S 1 1 4 A VT-9</div><div style="text-align: left;">-uic-----</div></div> <div style="text-align: center; margin-top: 20px;"><p>KEY: PS114AVT-9</p><p>VALID UIC's</p><div style="border: 1px solid black; padding: 10px; margin-top: 10px; text-align: left;">ENTER ANY UIC</div></div>	

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After entering the UIC, 63199, the following display appears:

Resource Planning System: KEY ENTRY SCREEN	08/10/81 S: 2
<p>Beginning Key</p> <p>Enter the components of the key in your sort order. (; to default)</p> <p>P S 1 1 4 A VT-9 63199</p> <p>activity group---</p> <p>KEY: PS114AVT-963199</p> <p>VALID ACTIVITY GROUPS</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">ENTER ANY ACTIVITY GROUP</div>	

Upon entering the activity group the following display appears:

Resource Planning System: KEY ENTRY SCREEN	08/10/81 S: 2
<p>Beginning Key</p> <p>Enter the components of the key in your sort order. (; to default)</p> <p>P S 1 1 4 A VT-9 63199 78</p> <p>-subactivity group ##</p> <p>KEY: PS114AVT-96319978</p> <p>VALID SUBACTIVITY GROUPS</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;">ENTER ANY SUBACTIVITY GROUP</div>	

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After the final entry is made the program will display the same KEY ENTRY SCREENS for the user to insert the Ending Key. Once the Ending Key is inserted (or ; to default) the desired files will be printed. Examples of the various file outputs are contained in appendix B.

OPTION 5, PRINT RESOURCE OUTPUT REPORTS. Selecting Option 5, Print Resource Output Reports, from the Report Generation Subsystem will cause the screen to display:

Resource Planning System: Report Generation Menu		08/10/81 S: 2
Option!	Available Options	
1	!	Print Phased FY Requirements
2	!	Print TRARON MILITARY MANPOWER Report
3	!	Print Sequenced Resource Reports
4	!	Print Sequenced Resource Reports #2
5	!	Print Resource Output Comparisons
•	!	Return to MASTER PRINT MENU
		Enter Desired Option: #

Examples of the various reports are contained in appendix C.

END OF SESSION (MASTER RPS MENU •)

Selecting the final Option •, End of Session, from the MASTER RPS MENU will cause the program to display:

Thank you for using the RESOURCE PLANNING SYSTEM

END PROGRAM
FREE SPACE=
55830

The terminal is now available for use by another user.

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LIST OF ACRONYMS

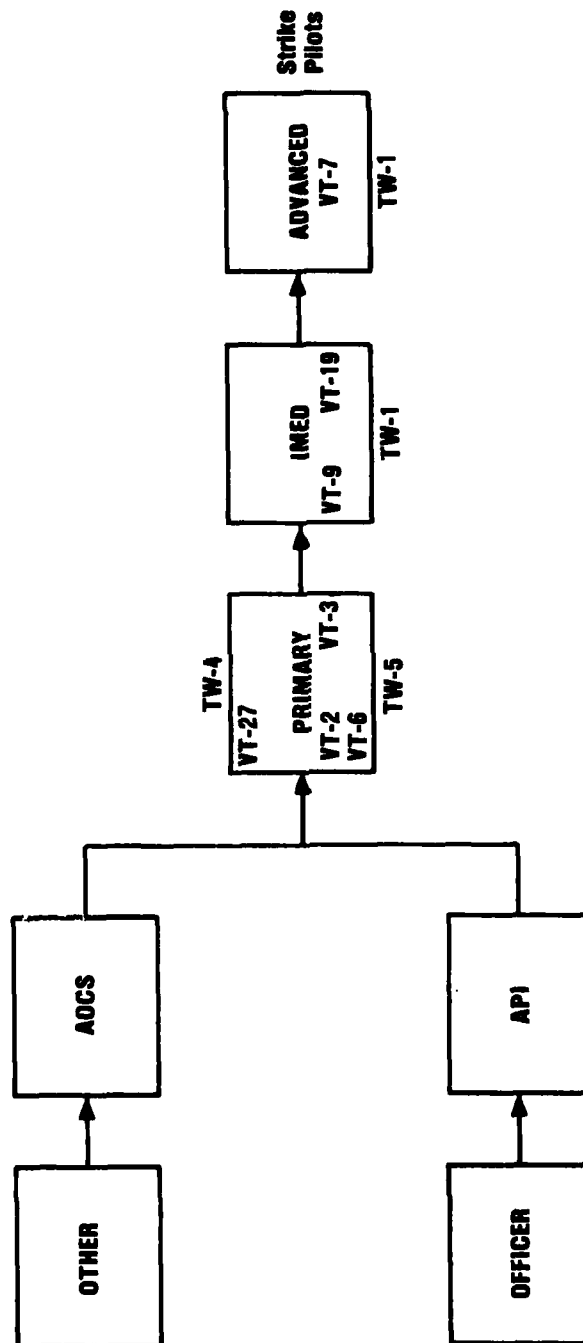
AOC	Aviation Officer Candidate
AOCS	Aviation Officer Candidate School
API	Aviation Pre-Flight Indoctrination
ATDS	Airborne Tactical Data System
CNATRA	Chief of Naval Air Training
CNO	Chief of Naval Operations
FYDP	Five Year Defense Plan
NA	Naval Aviator
NASC	Naval Aviation Schools Command
NATRACOM	Naval Air Training Command
NAV	Navigator
NAVEDTRACOM	Naval Education and Training Command
NFO	Naval Flight Officer
NFOTR	Naval Flight Officer Training Rate
OJN	Overwater Jet Navigation
PTR	Pilot Training Rate
RIO	Radar Intercept Officer
RPS	Resource Planning System
RVAW	Carrier Airborne Early Warning Wing
TN	Tactical Navigator

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APPENDIX A

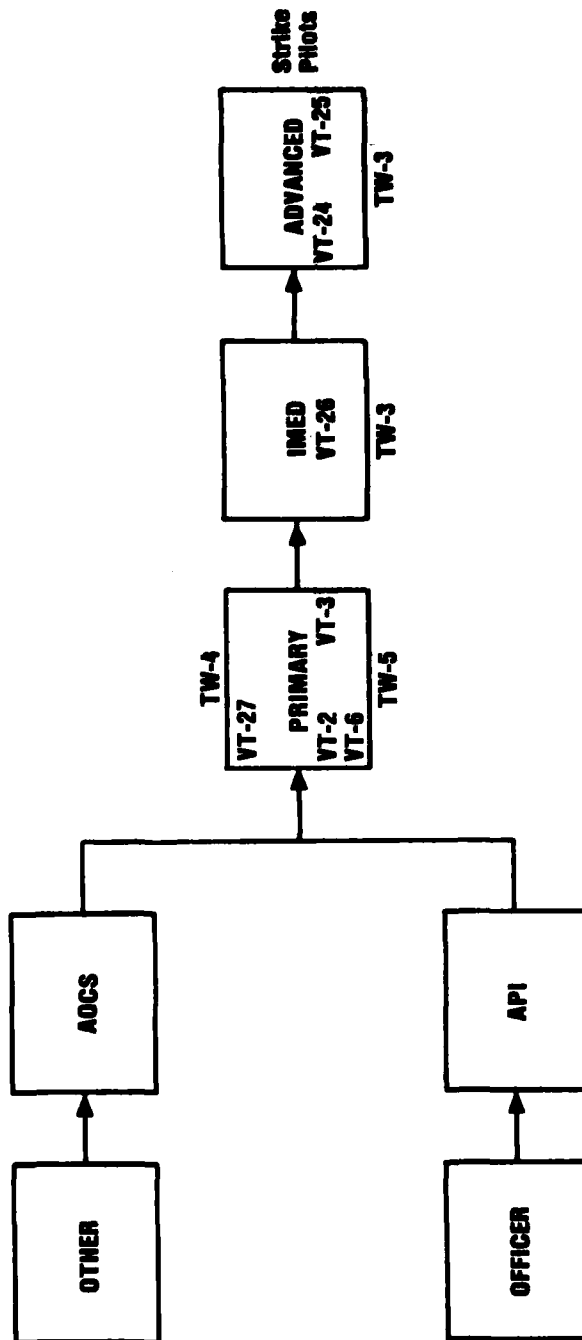
NAVAL AVIATOR/NAVAL FLIGHT OFFICER PIPELINES

STRIKE Pipeline



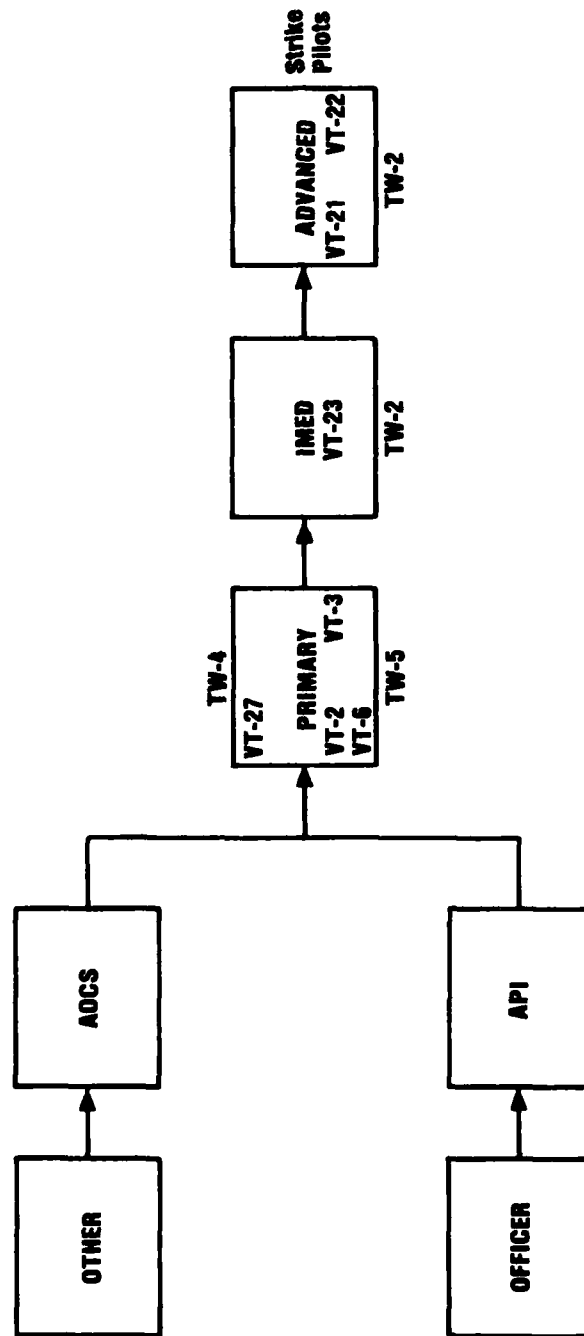
TW = Wing No.

STRIKE Pipeline



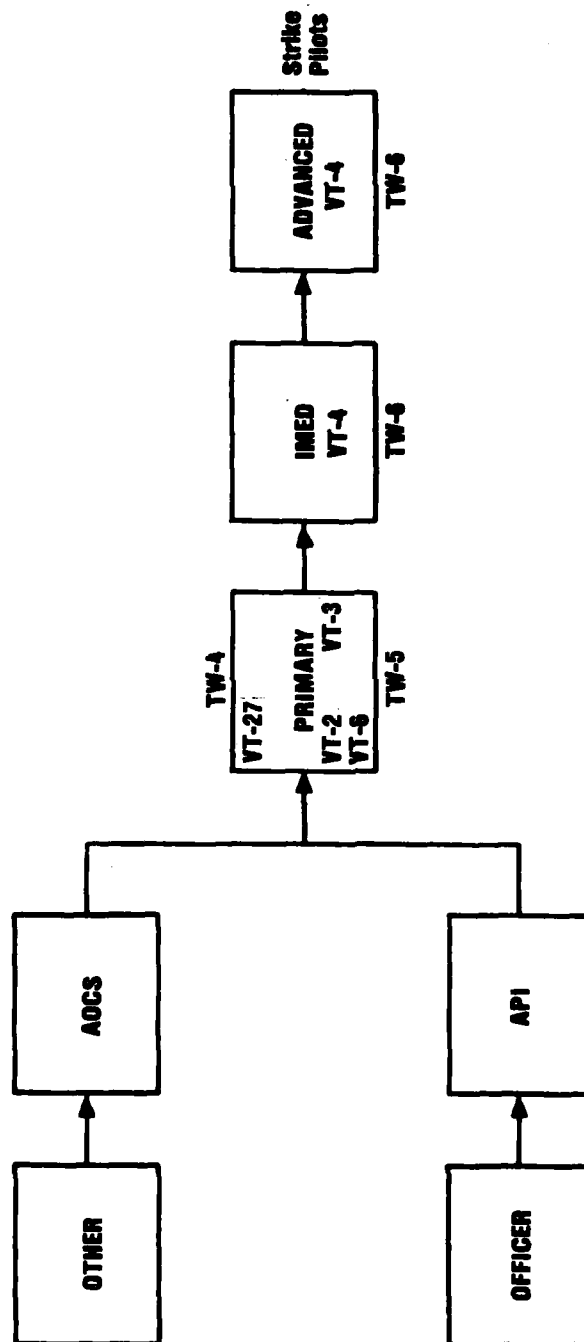
TW = Wing No.

STRIKE Pipeline



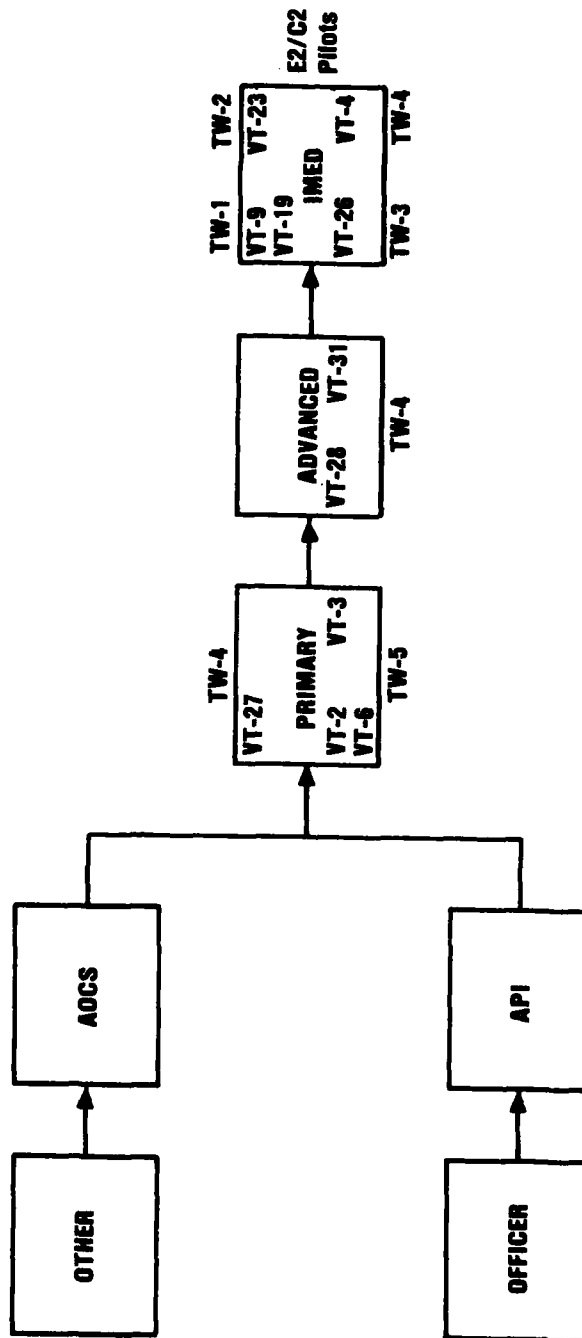
TW = Wing No.

STRIKE Pipeline



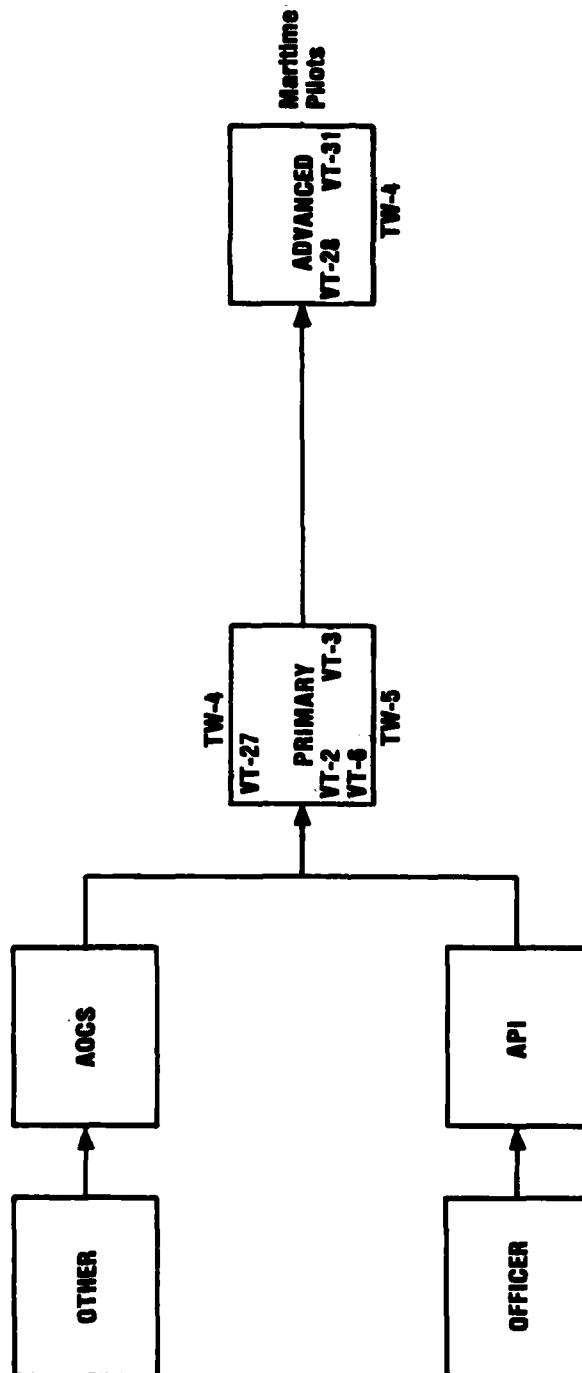
TW = Wing No.

**VWV PIPELINE
(E2/C2 Pipeline)**



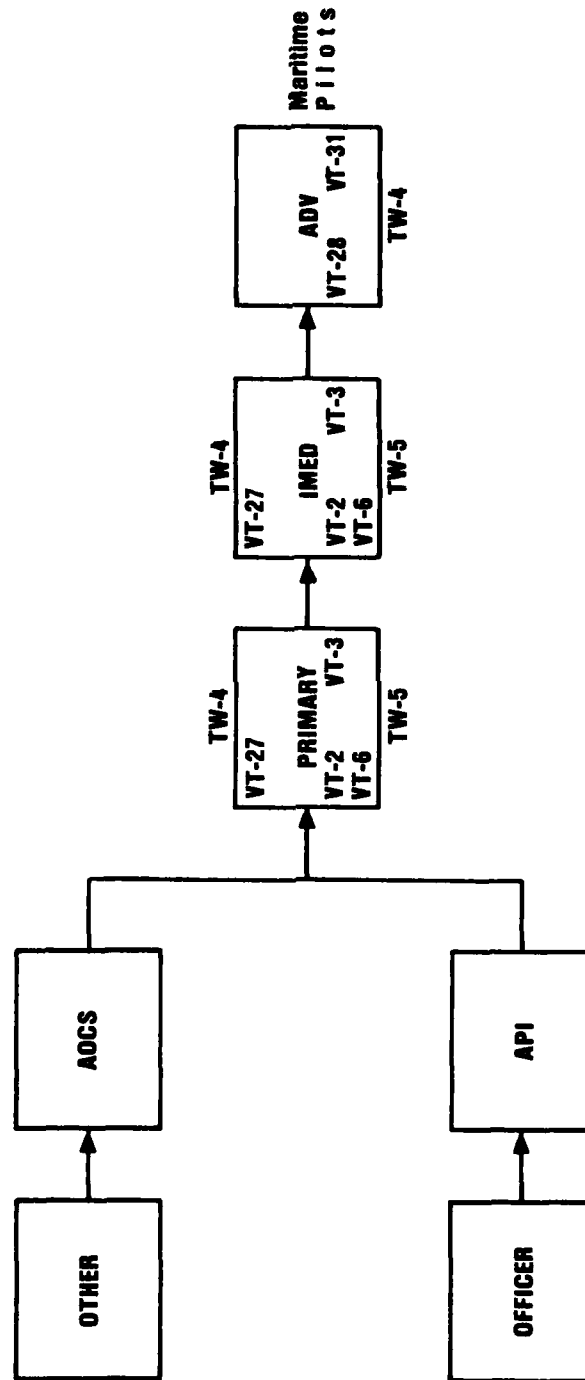
TW = Wing No.

Phased Maritime Pipeline



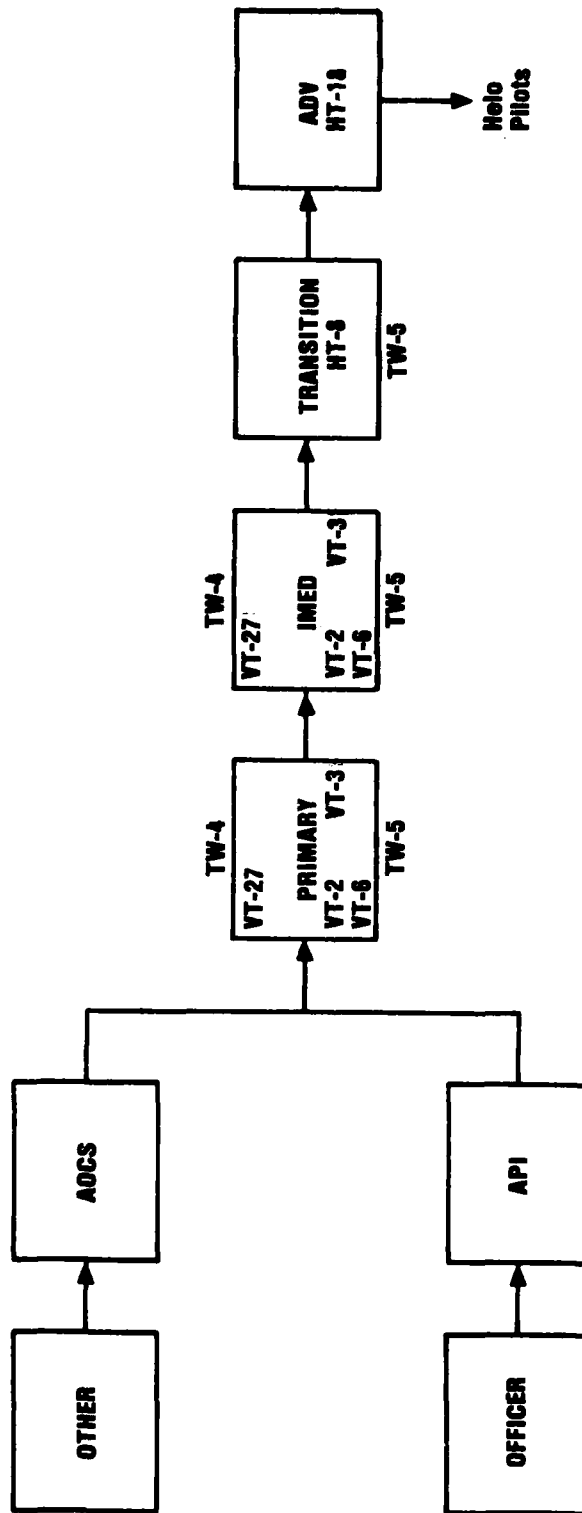
TW = Wing No.

Advanced Maritime Pipeline



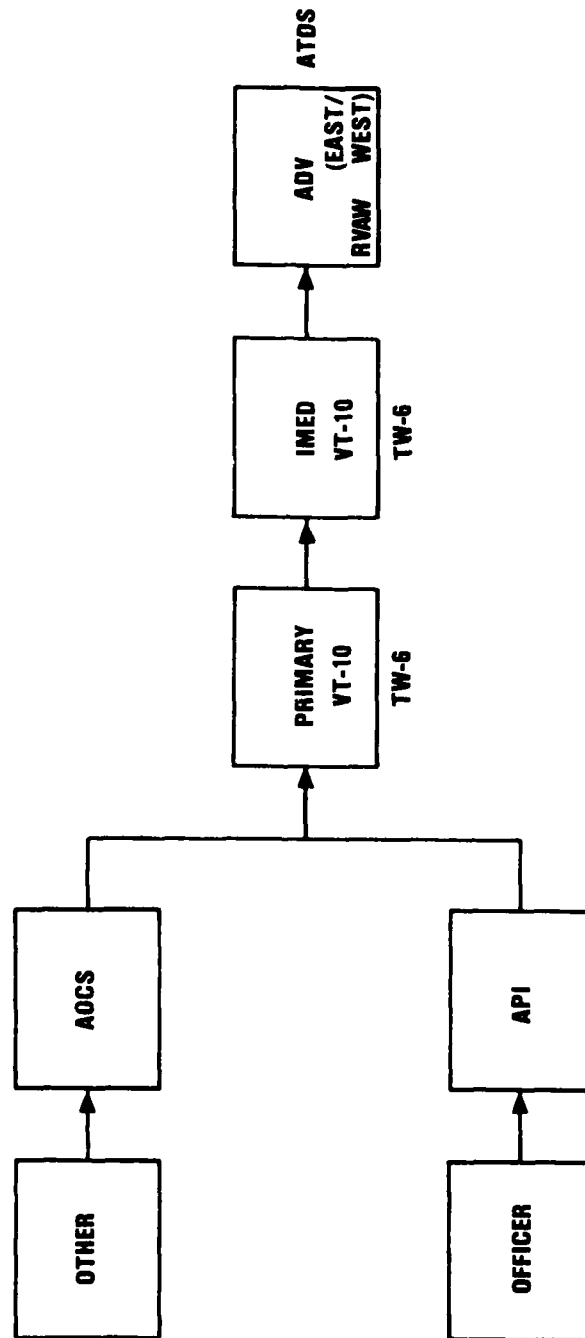
TW = Wing No.

Helo Pipeline



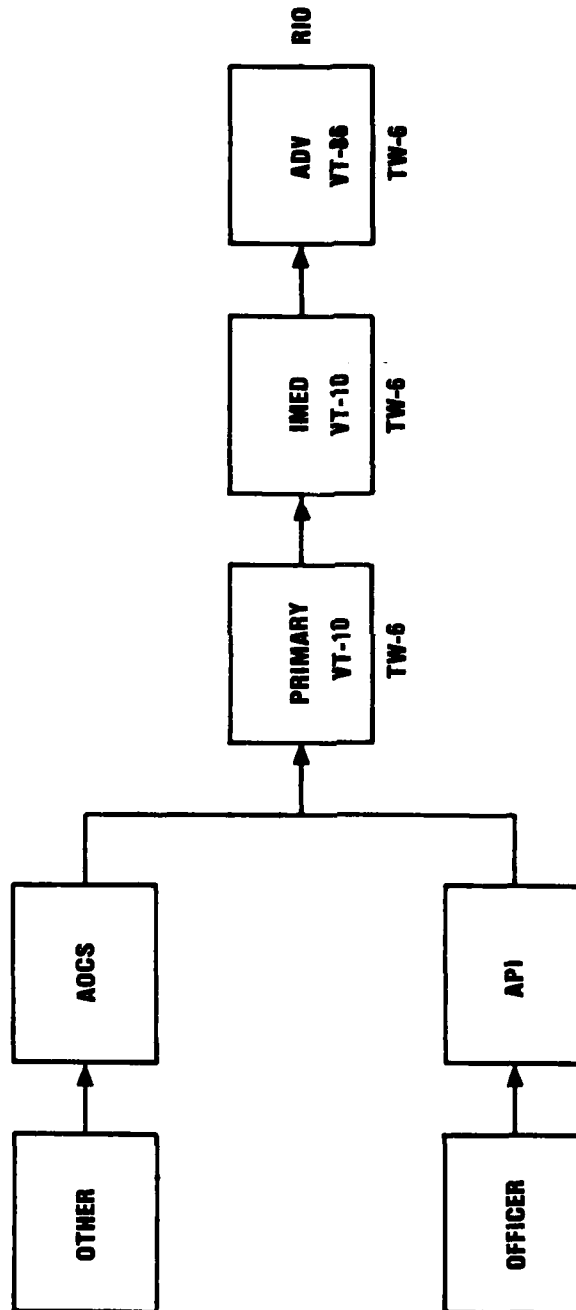
TW = Wing No.

ATDS Pipeline



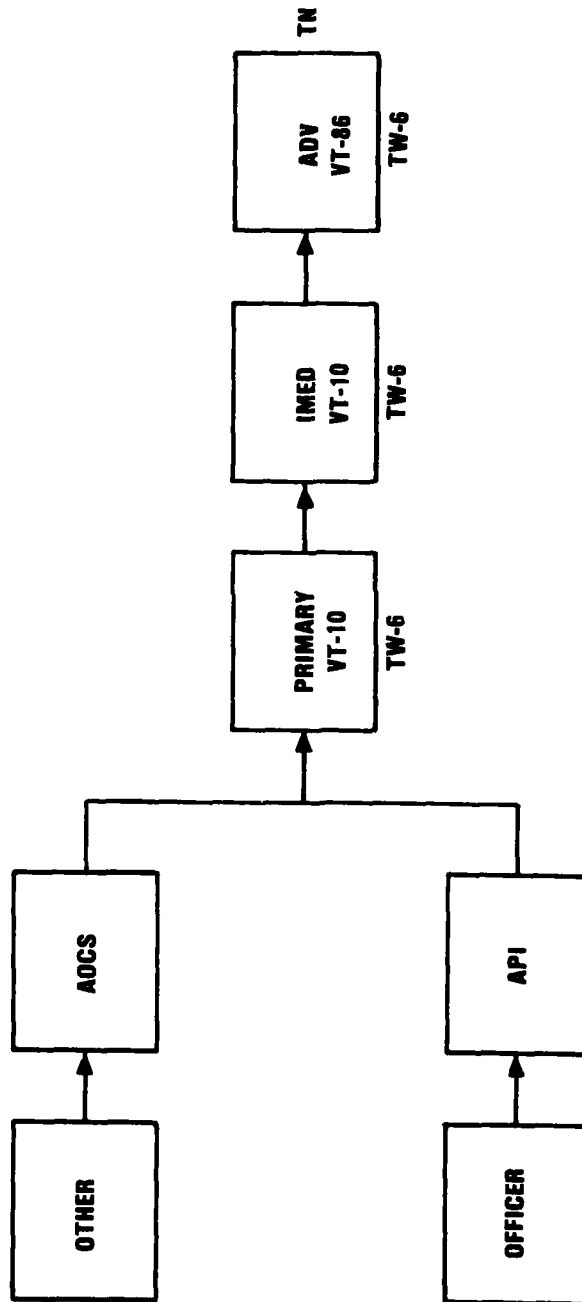
TW = Wing No.
RYAW = Carrier Airborne Early Warning Wing

RIO Pipeline



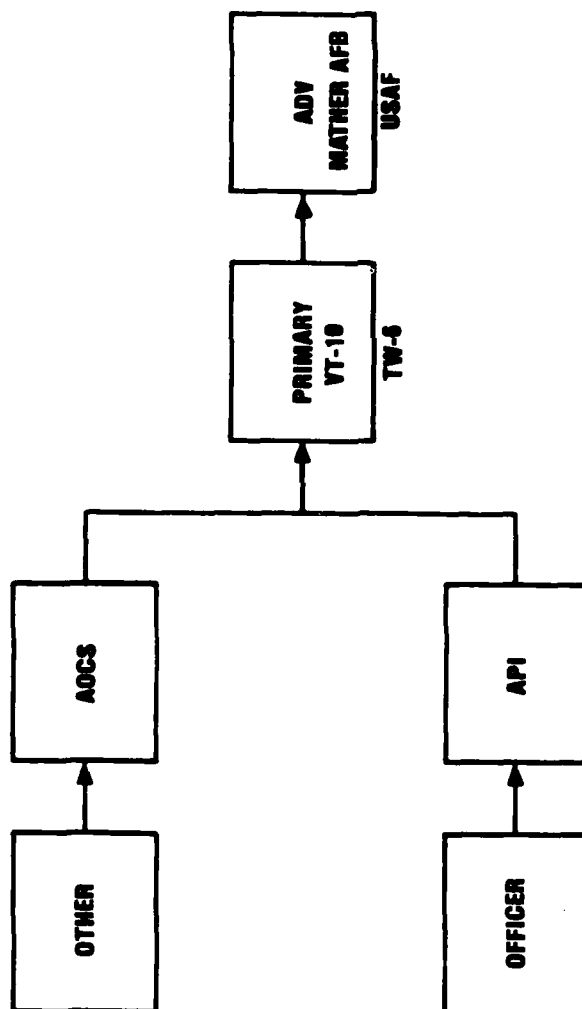
TW = Wing No.

TN Pipeline



TW = Wing No.

NAW Pipeline



TW = Wing No.

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Appendix B

RPS FILE OUTPUTS

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Resource Planning System: TRAINING COURSE/AGIS TABLE										04/20/80 S: 1	
TYPE TRAINING		PIPELINE		PIPELID		TRAINING LEVEL		P			
P		S		E							
FISCAL		TRAINING		CUMULATIONS							
NO.	YEAR	VR1	VR2	VR3	VR1	VR2	VR3				
1	82	1.40	89.20	9.40	10.00	90.00	0.00				
2	83	1.40	89.20	9.40	10.00	90.00	0.00				
3	84	1.40	89.20	9.40	10.00	90.00	0.00				
4	85	1.40	89.20	9.40	10.00	90.00	0.00				
5	86	1.40	89.20	9.40	10.00	90.00	0.00				
6	87	1.40	89.20	9.40	10.00	90.00	0.00				
7	88	1.40	89.20	9.40	10.00	90.00	0.00				

ENTER OPTION (RECALL: RETURN, Line #: Save, Help, Print):

82

[illegible]

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Appendix C

RPS REPORTS

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PTR File Report

This report is printed by: Pipeline Structure Table

The Sort Order is:

1 TYPE TRNG	4 PIPE POS	7 SQUADRON	10 SAG
2 TRNG PIPE	5 TRNG WING	8 UIC	
3 PIPE ID	6 TRNG PHASE	9 AG	

Print Totals are:

Starting PST Entry: FIRST

Ending PST Entry: LAST

Resource Planning System:PTR File Report

02/25/82 Page: 1

TRAINING TYPE	N	FY -- 82	FY -- 83	FY -- 84	FY -- 85	FY -- 86	FY -- 87	FY -- 88
PIPELINE A								
PIPE ID 6								
PHASE A								
SQUADRON PVAW	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs
USN	0.00	56	0.00	50	0.00	50	0.00	50
PIPELINE A								
PIPE ID 6								
PHASE I								
SQUADRON VT 11	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs
USN	10.00	56	10.00	50	10.00	50	10.00	50
PIPELINE A								
PIPE ID 6								
PHASE F								
SQUADRON API	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs
USN	12.00	63	12.00	56	12.00	56	12.00	56
PIPELINE A								
PIPE ID 4								
PHASE C								
SQUADRON API	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs
USN	6.00	36	6.00	32	6.00	32	6.00	32
PIPELINE A								
PIPE ID 6								
PHASE D								
SQUADRON API	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs
USN	6.00	36	6.00	32	6.00	32	6.00	32
PIPELINE A								
PIPE ID 6								
PHASE F								
SQUADRON OFF	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs	ATTR	PTRs
USN	0.00	39	0.00	34	0.00	34	0.00	34

DATA FOR RECORD NA66 DAOC NOT PRINTED DUE TO ALL ZERO DATA

DATA FOR RECORD NA67 EN-D NOT PRINTED DUE TO ALL ZERO DATA

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Phasing Percentages File Report

This report is printed by: Pipeline Structure Table

The Sort Order is:

1 TYPE TRNG	4 PIPE POS	7 SQUADRON	10 SAG
2 TRNG PIPE	5 TRNG WING	8 UIC	
3 PIPE ID	6 TRNG PHASE	9 AG	

Print Totals are:

Starting PST Entry: FIRST

Ending PST Entry: LAST

Resource Planning System: Phasing Percentages File Report

02/25/82 Page: 1

TYPE TRAINING		PIPELINE		PIPE ID		TRAINING PHASE		
NFO		ATDS		6		ADVANCED		
LINE NO.	FISCAL YEAR	IN TRAINING %			COMPLETIONS %			
		FV	FV+1	FV+2	FV	FV+1	FV+2	
1	82	85.00	15.00	0.00	100.00	0.00	0.00	
2	83	85.00	15.00	0.00	100.00	0.00	0.00	
3	84	85.00	15.00	0.00	100.00	0.00	0.00	
4	85	85.00	15.00	0.00	100.00	0.00	0.00	
5	86	85.00	15.00	0.00	100.00	0.00	0.00	
6	87	85.00	15.00	0.00	100.00	0.00	0.00	
7	88	85.00	15.00	0.00	100.00	0.00	0.00	

TYPE TRAINING		PIPELINE		PIPE ID		TRAINING PHASE		
NFO		ATDS		6		INTERMEDIATE		
LINE NO.	FISCAL YEAR	IN TRAINING %			COMPLETIONS %			
		FV	FV+1	FV+2	FV	FV+1	FV+2	
1	82	59.00	41.00	0.00	66.00	34.00	0.00	
2	83	59.00	41.00	0.00	66.00	34.00	0.00	
3	84	59.00	41.00	0.00	66.00	34.00	0.00	
4	85	59.00	41.00	0.00	66.00	34.00	0.00	
5	86	59.00	41.00	0.00	66.00	34.00	0.00	
6	87	59.00	41.00	0.00	66.00	34.00	0.00	
7	88	59.00	41.00	0.00	66.00	34.00	0.00	

TYPE TRAINING		PIPELINE		PIPE ID		TRAINING PHASE		
NFO		ATDS		6		PRIMARY		
LINE NO.	FISCAL YEAR	IN TRAINING %			COMPLETIONS %			
		FV	FV+1	FV+2	FV	FV+1	FV+2	
1	82	37.00	63.00	0.00	52.00	48.00	0.00	
2	83	37.00	63.00	0.00	52.00	48.00	0.00	
3	84	37.00	63.00	0.00	52.00	48.00	0.00	
4	85	37.00	63.00	0.00	52.00	48.00	0.00	
5	86	37.00	63.00	0.00	52.00	48.00	0.00	
6	87	37.00	63.00	0.00	52.00	48.00	0.00	
7	88	37.00	63.00	0.00	52.00	48.00	0.00	

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Planning Factors File Report

This report is printed by: Pipeline Structure Table

The Sort Order is:

1 TYPE TRNG	4 PIPE POS	7 SQUADRON	10 SAC
2 TRNG PIPE	5 TRNG WING	8 UIC	
3 PIPE ID	6 TRNG PHASE	9 AC	

Print Totals are:

Starting PST Entry: FIRST

Ending PST Entry: LAST

Resource Planning System: Planning Factors File Report

02/25/

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DATA FOR: Type Training: P Pipeline: E Pipe Id: 4 Phase: A Squadron: VT-28 Aircraft/Sim. 2F129 Military: N														
Student Factors				Instructor Factors				Aircraft and Simulator Factors						
Syllabus Hours	% Weeks	Attr	Total Hours	% Avail	Contact Time	Annual Util	Hours/ Student	Squad Maint	% Avail	Sortie Length	T-A-T	Annual Util	Hours/ Student	
30.0	0.00	0.00	31.50	71.00	1.28	735	22.20	0.00	95.00	1.50	0.25	2939	33.70	
Other Factors														
Years Available		First		Last	Weather Factor	Overhead Factor	Civ Assign	I.U.T Overhead	Admin Maint Av	Maint Support	HAS Maint	Enlistd Support	Other Support	
82	87				0.00	0.00	0	1.15	0	0	0.00	0	0	

DATA FOR: Type Training: P Pipeline: E Pipe Id: 4 Phase: A Squadron: VT-28 Aircraft/Sim. T44A Military: M														
Student Factors				Instructor Factors				Aircraft and Simulator Factors						
Syllabus Hours	% Weeks	Attr	Total Hours	% Avail	Contact Time	Annual Util	Hours/ Student	Squad Maint	% Avail	Sortie Length	T-A-T	Annual Util	Hours/ Student	
0.0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0	0.00	
Other Factors														
Years Available		First		Last	Weather Factor	Overhead Factor	Civ Assign	I.U.T Overhead	Admin Maint Av	Maint Support	HAS Maint	Enlistd Support	Other Support	
82	87				0.00	0.00	0	0.00	0	0	0.00	0	0	

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PLANNING FACTORS FILE KEY PRINT PROGRAM

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TYPE TRAINING	PIPE LINE	PIPE. ID	TRN. PHASE	SQUAD- RON	AIRCRAFT /SIMUL.	MIL. BRANCH	KEY STATUS	RECORD KEY	KEY FILE
P	E	1	I	VT-19	2F101	N	OK		
P	E	1	I	VT-19	T2C	N	OK		
P	E	1	I	VT-9	2F101	N	OK		
P	E	1	I	VT-9	T2C	N	OK		
P	E	4	A	VT-28	2F129	N	OK		
P	E	4	A	VT-28	T44A	M	OK		
P	E	4	A	VT-28	T44A	N	OK		
P	E	4	A	VT-31	2F129	N	OK		
P	E	4	I	VT-19	2F101	N	OK		
P	E	4	I	VT-19	T2C	N	OK		
P	E	4	I	VT-23	2F101	N	OK		
P	E	4	I	VT-23	T2C	N	OK		
P	E	4	I	VT-26	2F101	N	OK		
P	E	4	I	VT-26	T2C	N	OK		
P	E	4	I	VT-4	2F101	N	OK		
P	E	4	I	VT-4	T2C	N	OK		
P	E	4	I	VT-9	2F101	N	OK		
P	E	4	I	VT-9	T2C	N	OK		
P	E	4	P	VT-2	2B37	N	OK		
P	E	4	P	VT-2	2C42	N	OK		
P	E	4	P	VT-2	T34C	N	OK		
P	E	4	P	VT-27	2B21	N	OK		
P	E	4	P	VT-27	T28B	N	OK		
P	E	4	P	VT-3	2B37	N	OK		
P	E	4	P	VT-3	2C42	N	OK		
P	E	4	P	VT-3	T34C	N	OK		
P	E	4	P	VT-6	2B21	N	OK		
P	E	4	P	VT-6	2B37	N	OK		
P	E	4	P	VT-6	2C42	N	OK		
P	E	4	P	VT-6	T28B	N	OK		
P	E	4	P	VT-6	T34C	N	OK		
P	H	5	A	HT-18	2A38	N	OK		
P	H	5	A	HT-18	2B24	C	OK		
P	H	5	A	HT-18	2B24	F	OK		
P	H	5	A	HT-18	2B24	M	OK		
P	H	5	A	HT-18	2B24	N	OK		
P	H	5	A	HT-18	H1	N	OK		
P	H	5	A	HT-18	TH-1	N	OK		
P	H	5	A	HT-18	TH1	C	OK		
P	H	5	A	HT-18	TH1	F	OK		
P	H	5	A	HT-18	TH1	M	OK		
P	H	5	A	HT-18	TH1	N	OK		
P	H	5	N	VT-2	2B37	C	OK		
P	H	5	N	VT-2	2B37	F	OK		
P	H	5	N	VT-2	2B37	M	OK		
P	H	5	N	VT-2	2B37	N	OK		
P	H	5	N	VT-2	T34C	C	OK		
P	H	5	N	VT-2	T34C	F	OK		
P	H	5	N	VT-2	T34C	M	OK		
P	H	5	N	VT-2	T34C	N	OK		

PLANNING FACTORS FILE KEY PRINT PROGRAM

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TYPE TRAINING	PIPE LINE	PIPE. ID	TRN. PHASE	SQUAD- RON	AIRCRAFT /SIMUL.	MIL. BRANCH	KEY STATUS	RECORD KEY	KEY FILE
P	H	5	N	VT-27	2B21	M	OK		
P	H	5	N	VT-27	2B21	N	OK		
P	H	5	N	VT-27	T28B	M	OK		
P	H	5	N	VT-27	T28B	N	OK		
P	H	5	N	VT-3	2B37	C	OK		
P	H	5	N	VT-3	2B37	F	OK		
P	H	5	N	VT-3	2B37	M	OK		
P	H	5	N	VT-3	2B37	N	OK		
P	H	5	N	VT-3	T34C	C	OK		
P	H	5	N	VT-3	T34C	F	OK		
P	H	5	N	VT-3	T34C	M	OK		
P	H	5	N	VT-3	T34C	N	OK		
P	H	5	N	VT-6	2B21	C	OK		
P	H	5	N	VT-6	2B21	M	OK		
P	H	5	N	VT-6	2B21	N	OK		
P	H	5	N	VT-6	2B37	L	OK		
P	H	5	N	VT-6	2B37	F	OK		
P	H	5	N	VT-6	2B37	M	OK		
P	H	5	N	VT-6	2B37	N	OK		
P	H	5	N	VT-6	T28B	C	OK		
P	H	5	N	VT-6	T28B	M	OK		
P	H	5	N	VT-6	T28B	N	OK		
P	H	5	N	VT-6	T34C	C	OK		
P	H	5	N	VT-6	T34C	F	OK		
P	H	5	N	VT-6	T34C	M	OK		
P	H	5	N	VT-6	T34C	N	OK		
P	H	5	P	VT-2	2B37	C	OK		
P	H	5	P	VT-2	2B37	F	OK		
P	H	5	P	VT-2	2B37	M	OK		
P	H	5	P	VT-2	2B37	N	OK		
P	H	5	P	VT-2	2C42	C	OK		
P	H	5	P	VT-2	2C42	F	OK		
P	H	5	P	VT-2	2C42	M	OK		
P	H	5	P	VT-2	2C42	N	OK		
P	H	5	P	VT-2	T34C	F	OK		
P	H	5	P	VT-2	T34C	M	OK		
P	H	5	P	VT-2	T34C	N	OK		
P	H	5	P	VT-2	T34C	C	OK		
P	H	5	P	VT-27	2B21	M	OK		
P	H	5	P	VT-27	2B21	N	OK		
P	H	5	P	VT-27	T-28B	N	OK		
P	H	5	P	VT-27	T28B	M	OK		

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PHASED FISCAL YEAR REQUIREMENTS IN PILOT TRARON'S TO SUPPORT AS OF 02/25/82

PAGE 1

FY '82		STUDENT AOB'S		TRARON OFFICERS				VT/ADD ENLISTED			DEVICE USED		AIRCRAFT HOURS		
CLASSIFICATION		NAVY	MAR- INES	TOTAL OFFICERS	MARINE	COAST GUARD	FMS REIM- BURS.	NAVY	TOTAL	DIRECT	FMS REIM- BURS.	ACRFT OR SIMU.	TOTAL	DIRECT	REIM- BURS.
STRIKE		PTR-	504												
AACS			6	0	7	0	0	7	0	0	0		0	0	0
API			0	0	0	0	0	0	0	0	0		0	0	0
PRIMARY			1	0	1	0	0	1	0	0	0	2B21	550	550	0
PRIMARY			6	0	5	0	0	5	17	17	0	T-28B	1760	1760	0
INTERMEDIATE			12	0	10	0	0	10	71	71	0	2F101	4500	4500	0
ADVANCED			0	0	0	0	0	0	0	0	0	T-2C	0	0	0
ADVANCED			0	0	0	0	0	0	0	0	0	TEST2	0	0	0
ADVANCED			0	0	7	1	0	3	3	0	0	2F90	3990	2030	1960
ADVANCED			8	0	7	0	0	7	46	46	0	TA4J	3000	3000	0
*****TOTAL STRIKE			33	0	37	1	0	33	134	134	0		13800	11840	1960

CHATRA	N-21	02/25/82	TRARON MILITARY MANPOWER REQUIREMENTS								FY 82					

TRARON OFFICERS													TRARON ENLISTED			

NAVY OFFICERS																

TOTAL OFFICERS	MARINE		COAST GUARD	FMS REIM- BURSABLE 131x	NAVY 131x		SUP	NAVY OFFICERS DIRECT	DIRECT AG		SUP	FMS REIM. AG	SUP			

VT-27	0	0	0	0	0	0	0	0	0	0	0	0	0			
PRIM. & INTER. M/H TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0			
HT-8	26	0	0	0	19	7	26	76	27	0	0	0	0			
TRANS. & ADV. HELD TOTAL	26	0	0	0	19	7	26	76	27	0	0	0	0			
VT-4	10	0	0	0	10	0	10	60	11	0	0	0	0			
INT. E2/C2 & STRIKE TOTAL	10	0	0	0	10	0	10	60	11	0	0	0	0			
VT-7	0	0	0	0	0	0	0	0	0	0	0	0	0			
VI-21	0	0	0	0	0	0	0	0	0	0	0	0	0			
VT-4	14	1	0	3	10	0	10	39	7	0	0	0	0			
ADV. STRIKE TOTAL	14	1	0	3	10	0	10	39	7	0	0	0	0			
GRAND TOTAL (PILOT)	50	1	0	3	39	7	46	175	45	0	0	0	0			

TOTAL OFFICERS	MARINE Pilot NFO			FMS REIM- BURSABLE 131x 132x	NAVY 131x 132x		SP	NAVY OFFICERS DIRECT	TRARON ENLISTED DIRECT AG		SUP	FMS REIM. AG	SUP			
VT-21	19	0	6	0	0	0	0	0	0	0	0	0	0			
GRAND TOTAL (NFO)	19	0	6	0	0	0	0	0	0	0	0	0	0			

GRAND TOTAL (PILOT & NFO)	69	1	6	0	3	0	39	0	7	46	175	45	0	0		

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Sequenced Resource Output File Report

This report is printed by: Pipeline Structure Table

The Sort Order is:

1 TYPE TRNG 4 PIPE POS 7 SQUADRON 10 SAG
2 TRNG PIPE 5 TRNG WING 8 UIC
3 PIPE ID 6 TRNG PHASE 9 AC

Print Totals are:

Starting PST Entry: FIRST

Ending PST Entry: LAST

Resource Planning System: Sequenced Resource Output File Report

Date for:	PILOT	BRANCH	UNIT	PIPELINE 5	TRANSITION	HT-8	TH-57
Annual Flight Hours	11914.3	14019.3	14632.3	16082.2	16082.2	16082.2	0.0
4-5 Status Aircraft	19.0	22.0	23.0	25.0	25.0	25.0	0.0
GP 1st Enl (Squad & ADD)	76.0	88.0	92.0	100.0	100.0	100.0	0.0
TOTAL Enlisted	103.0	115.0	119.0	127.0	127.0	127.0	0.0
Instructors per Student	0.058130	0.058130	0.058130	0.058130	0.058130	0.058130	0.000000
Effective Inst. Required	17.0	20.0	21.0	23.0	23.0	23.0	0.0
TOTAL Instructors	19.0	22.0	23.0	25.0	25.0	25.0	0.0
TOTAL Officers	26.0	29.0	30.0	32.0	32.0	32.0	0.0
Student A.O.R.	28.0	33.0	35.0	38.0	38.0	38.0	0.0

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